GENERAL INDEX

(Illustrated articles are indicated thus)*

A

Accidents:—
Accidents Reports 65, 86, 94, *113, 210, *228, 582, 602, 670, 690, 698, 716
Argentine Railways 560
Argentine Railways, Mitre and Sarmiento 360
Belgian Railways, Train Derailed by Saboteurs 73
B.R. Electric Multiple - Unit Failures Report ... 698, 716
Burma Railways, Main - Line Express Ambushed 676
Bus Embedded in House 31
E.R. Derailment at Pitsea 462, 488, 604
E.R. Derailment Chadwell Heath 30
Indian Railways, Collision at Telta 619
L.M.R. Baschurch Railway Crash 259
L.M.R., Collision with Derailed Wagon 206
L.M.R., Derailment of Diesel Train 178
L.M.R., Killed in Tunnel ... 90
L.M.R., New Mills Central Station Report 582, 602
London Transport, 18 Hurt in Bus Smash 31
New South Wales Railways, Melbourne-Sydney Express in Collision 650
N.E.R., Newcastle Central Station Report 94, *113
Polish Railways, Collision at Level Crossing 130
Scottish Region, Glasgow Suburban Electric Trains Report 65, 86, 118, 127, 154
S.R., Collision at Cannon Street Station 351
S.R., Collision at Waterloo ... 462
S.R., Fox Hounds Electrocuted ... 118
S.R., Waterloo Report ... 210, 228
Turkish Railways, Kartal ... 502
U.S.A. Railways, Derailment Caused by Diversion 30
W.R., Collision at Strand Castle Level Crossing 90
W.R., Collision Blocks Line ... 90
W.R., Pyle, Glamorganshire ... 30
W.R., Wiveliscombe Slip *252 (map)

Addresses, Papers, Lectures, Etc.:—
Alfred Bossom Lecture. By Dr. F. F. C. Curtis 125
"An Integrated Standards Programme in the Company." ... 298
"Application of a Standards System in a Smaller Company, The." 298
"Automatic Marshalling Yards." By J. C. Kubale 34, *101, 231
"Britain's Links with European Surface Transport." By J. L. Harrington 295, 301
British Institute of Management Conference 550
"British Railways' Experience with Diesel and Electric Traction." By E. S. Cox ... 555, 647
"British Railways Modernisation—Signal Engineering and Telecommunications." By J. F. H. Tyler 35, *506
"Challenge to Public Administration in a Developing Australia, The." 96
Chamber of Commerce, Presidential Address 581
"Chemicals and Their Application." By John Cox 667
"Choice of Protective Schemes for Structional Steelwork, The." 184
"Collection and Assessment of Technical Information, Including the Language Problem, The." By Miss J. Ritchie and B. R. Byren 239
"Competitive Freight Operation, The Riddle of Reliability." By L. W. Ibbotson... 329
"Contribution of Civil Engineering to the British Railways Modernisation Plan, The." By M. G. R. Smith ... 35, *507
"Control of Quality of Crankcase Lubricating Oils of Locomotive Diesel Engines in Service." By S. Baistow ... 68
"Cooling Equipment for Diesel Locomotives." By T. H. Rudge and M. K. Forbes ... 206, 328

Addresses, Papers, Lectures, Etc.:— *(contd.)*
Course on Industrial and Factory Law 63
"Diesel Power," Film 638
"Dokan Project: The Flood Disposal Works and the Grouted Cut-off Curtain, The." Joint Authors 632
Duke of Edinburgh's Lecture, The 322
E.R. Schoolboys Short Works Course 434
"Economic and Commercial Aspects of the Steel Industry." By Sir Robert Shone 234
"Economics of American Diesel Traction." By H. F. Brown ...*311
"Effects of Brakes Upon Railway Trains." By Captain Douglas Galton *271
"Electricity in the Prosperity and Welfare of the Nation." ... 494
"Electric Traction in the British Railways Modernisation Plan." By S. B. Warder ... 35, 504
"Engineering Aspects of the Modernisation Plan for British Railways, The." By R. C. Bond 35, 495, 503
"Engineer in Society, The." By Rt. Hon. The Viscount Chandos 327
"Engineers and Traffic Chiefs Give the Reasons." 122
"Engine Test Methods for the Evaluation of Lubricating Oils Applicable to Diesel Engines Manufactured by the English Electric Co., Ltd." By H. Hauth 383
"Experience With the British Railways Standard Electrification System, with Particular Reference to Signalling and Telecommunications." By A. W. Woodbridge ... 151, 317
Foamed Rubber and Plastics Symposium 91
"Handling Loose Materials," Film 232
"Hidden Power, The" 337
"Impact of Mechanical Engineering on the British Railways Modernisation Plan, The." By J. F. Harrison 35, *505
Imperial College, Courses in Electric Traction 742
"Indian Railways—A Study in Public Utility Administration," By Amba Prasad 441
Industrial and Factory Law Lectures 462
"Industrial Growth in Developing Countries." 410
"Industrial Notebook on Iron and Steel, An." Film 150, *178, *187
Institution of Locomotive Engineers Golden Jubilee 328, 522, 527, 553
Institution of Signal Engineers, Presidential Address ... 439, 609
"Jointing of Rarer Metals." Symposium 379
"Locomotive of the Future, The." By General Sir Brian Robertson 527
"London - Birmingham Motor - way (Luton-Dunchurch): Design and Execution." By Sir Owen Williams and O. T. Williams 632
"London Transport Methods for The Control and Locking of Junctions." By H. W. Hadaway 266
"Management Development in a Changing World." By George N. Daffern 412
"Mass Transportation in the Future." By L. C. Hawkins 295, 299
"Mechanisation of Railway Civil Engineering Maintenance Work, The." By P. Chalmers and A. C. Layhe 632
Metal and Plastic Coatings Association. Symposium ... 490
"New Tunnels near Potters Bar in the Eastern Region of British Railways." By A. K. Terris and H. D. Morgan 495, 611
N.E.R. Discussion Courses for Stationmasters 462
N.E.R., Schoolboys' Study Courses 410
"Passenger Fares." By R. M. Robbins and R. Postgate ... 528

Addresses, Papers, Lectures, Etc.:— *(contd.)*
"Place of the Metropolitan Railways in Urban Public Transport, The." By B. H. Harbour 528, 578
"Planning for the Ultimate Hydraulic Development of the Nile Valley." By W. H. Allan and the Late H. A. W. Morrice 632
"Professional Engineer—His Employment and Development, The." 327
"Progress of British Railways Modernisation Plan." By K. A. Kindon 460
"Railmaking With Radar." Film 231
Railway Electrification at Industrial Frequency 326
"Relations Between the Press and Transport, The" 209
Report on Modernisation ... 326
"Service to Industry" 337
"Some Problems of Light Metal Construction." By E. J. de Ridder 119
"Spectographic Analysis of Crankcase Lubricating Oils as a Guide to Preventative Maintenance of Locomotive Engines." By G. M. Barrett 68
"Standardisation in Fields Where Techniques are Advancing Rapidly" 298
"Standards and Market Research." By I. Maclean ... 625
"Standards in Market Research and Sales" 298
"Standards in Product Development (Electronics)" 298
"Steel—Variety Reduction by Manufacturers and Users" ... 298
"Suburban Passenger Coaches Constructed in Aluminium." By Herr F. Drechsler 119
"Technical Developments in the Steel Industry." By Sir Andrew McCance 234
"Trackwork Engineering." By Edgar Allen & Co. Ltd. ... 644
"Unified Screw Thread in British Industry, The."... 298
"Water Side Pitting of Diesel Cylinder Liners". By H. H. Collins 295
"Weed Control on Industrial Sites." By Roy Jennings ... 667
"Weed Control on Railways, Docks and Harbours." By H. Hayhurst 667
Westinghouse Brake & Signal Co. Ltd., Lecture to Southern Motormen 146
"Work Study and its Application To Motive Power Activities." By G. O. B. Clarke and W. G. F. Thorley 439

Advertising:—
See Publicity.

Africa:—
Central Africa, Shortest Route ... 3
East and Central Africa, Anxiety of Railway Staff 575
Railways 298

Air Transport:—
Air Competition with the Railways 470
Anglo-Belgian Co-operation ... 394
Argentina, National Development 704
B.E.A., Service to Scotland ... 381
French Railways, S.N.C.F. Paris-Orly Air Terminal ... 667
Rail Transport to London Airport 209, 260, 270, 385, 498, 586, 647
South African Airways 278
S.R. Victoria Station Air Terminal 754

Alaska:—
Outlay on Improvements ... 332

A.E.U.:—
Provincial Bus Workers ... 432

Ambulance Service:—
L.M.R. Ambulance Competition 579

Anglo-Bulgarian Trade Negotiations 522
Anglo-Japanese Trade Arrangement 523

Angola:—
Benguela Railway, To Carry Ore to Lobito 732
Rail Development 418
Ucua, Terrorist Attacks 473

Argentina:—
General Electric—Fiat Agreement 272
National Development 704
Preference for Argentine Products 417
U.S. Investment in Locomotive Plant 272

Argentine Railways:—
Accidents 560
Accidents on Mitre and Sarmiento 360
Advisory Committees Appointed 500
C.T.C. New Type... 244
Consultative Committees ... 244
Contracts, Orders and Tenders 30, 100
Fiat Motor Coaches, Locally Built 189
Fiat Railcars 500
General Roca Railway Suburban Services 272, 389
Houses for Railwaymen 332
Mar del Plata, Access to... ... 244
Motors for Underground Stock 389
New Organisation Mooted ... 389
Mitre Railway Strike 360
Passenger Traffic 360
Rehabilitation 613
Situation 645, 728
Southern Transandine Line ... 40
Strikes 244
Tenders for Underground Coaches 100
Terrorist Action 40
Why-are-we-Waiting 388
World Bank Report 100

A.S.L.E.F.:—
Glasses for Men on Footplate ... 668
Railwaymen's Wages 144, 204, 548
Shorter Working Week Claim 28, 116, 232, 465, 488, 603, 636, 693, 752

Australia:—
Exide Battery Factory 178
Exports and Imports of Stock ... 8
Rolling Stock Production ... 8
Rolls-Royce Limited 406

Australian Railways:—
Air-Conditioned Travel 89
Contracts, Orders and Tenders 177, 321, 489
Results 589
Rolling Stock *193

Austria:—
Engineers Visit to Britain ... 636

Austrian Railways:—
Ministerialrat Joha Schubert... 2
Palletisation 156

B

Belgian Railways:—
Anglo-Belgian Co-operation ... 394
Electrification, 3,000-V. 181
Swiss Loan 638
Train Derailed by Saboteurs ... 73

Board of Trade:—
Export Services Branch Calls for Tenders 177, 205, 233, 261 321, 349, 377, 406, 433, 461, 489, 521, 549, 576, 605, 665, 721, 753
Home Engineering, Increased Activities in 493
Imported Bearings 756
Marking of Imported Ball or Roller Bearings... 375

"Bradshaw" Demise of 299

Brazilian Railways:—
Deficit Growing 10
Leopoldina Electrification Extended 244
Mogiana Railway Line ... 272
New Equipment and Works ... 244
Passenger Coaches, Locally Built 72
Progress With Improvements ... 216
Sao Paulo Train Fares 73
Standard Passenger Coach ... 244

Bridges:—
B.R. Architecture 125
E.R. Colchester Modernisation *321, 635, *651
Indian Railways, Gandak River Bridge Opened 188, 611

Bridges:—(*contd.*)
Indian Railways, Planned Development 611
Indian Railways, Prestressed Concrete Bridges 151
London Transport, Central Line, Chigwell Bridge 235
Modernisation and Overbridge Replacement 210, *218
Portuguese Railways, Maria Pia Bridge 238, *254
Preservation of Wood ... 386, *407
Queensland Railways, Burdekin Bridge Construction ... 100, 233
S.A.R. Bridge Replacement Programme 72
U.S.S.R. Murmansk-Pechenga Railway 217
U.S.A. Half-Scale Bridge Test 268
U.S.A. Railways, New York Harbour, Longest Railway Lift-Span Bridge 420
U.S.A. Railways, Reconstruction of 247-ft. Span Under Traffic 253
U.S.A. Railways, Swing-Span Bridge Modification 156
Uruguayan Railways Improvement 389
Victorian Railways, Suburban Stations and Overbridges ... 704
W.R. Royal Albert Bridge, Saltash Repairs *274, 387
W.R. St. Julians Usk River Bridge, Strengthening of ... *76
W.R. Stone-Arch Overbridge, Demolition of *134
W.R. Tamar Suspension Bridge...*502
W.R. West Ruislip Bridge Reconstruction 597

British Conference on Automation and Computation 263

British Electrical and Allied Manufacturers Association:—
Annual Luncheon 325
Export Conference 642
Imperial College, Courses in Electric Traction 742
Reception 237
Report 298

British Electrical Development Association Thirteenth Convention 494
British Productivity Council Address 117

British Railways:—
Accidents, Reports 65, 86, 94, *113, 210, *228, 582, 602, 670, 690, 698, 716
Air Competition 470
All-Line Staff Competitions ... 234
A.C. High Voltage Locomotives 47, *50, 118, 186
Amateur Boxing Finals 433
Amateur Cup Final, Cheap, Excursions 433
Anglo-Belgian Co-operation ... 394
Annual Cost to Railways of Extra Oil Duty 520
Architecture on 125
Assessed 70, 128
Automatic Level Crossing Barrier 150, 175, 235, *479
" Book a Car from Your Train " Service 639
Branch Lines, Closing of 260, 383, 668, 752
B.E.A. Service to Scotland ... 381
B.U.T.-Powered Trains, Good Performance 354
Camping Coaches 94
Can the Railways Pay? 671
Car-Sleeper Trains 410
Cheap Travel 234
Controlled Road Testing System *564
" Deficit, £84-Million " 116
" Deltic " Diesel on Trial ...*475
Diesel-Electric Locomotives, Type 3 698
Diesel Locomotive, 1,000th ... 723
Diesel Services Regain Passengers 323
Diesel Traction 616
Diesel Trains 355
Disc Brake, Automatic Two-Stage 699, 719, *734
Dynamometer Car ... 556, *561
Electric Multiple-Unit Failures Report 698, 716
Electrification Conference ... 265
Electrification System, 25kV. 50 Cycles 151
Entertain Former and Retired Chief Engineers *63
Europe, links with 301
Fares Cheaper on Saturday Nights 147
Fares Discrepancy ... 149, 697
Fares, Early Morning 176
Fares Increase 697
Food-Vending Machines ... 433
Four-Character Headcodes ... 547
Freight, Mechanical Handling of 231
Freight Train Traffic 97, 213, 357, 441, 585, 673, 729

British Railways:—(*contd.*)
Future of ... 1, 5, 38, 61, 242
Future of The Great Central Line 520
Girl Fire-Fighters... 695
Heavy-Duty Rail Clips 382, *395, 433, 439
High-Voltage Locomotives ... 615
Holiday Haunts 237
Ineffective Railway Motor Power 614, 674, 730
Informative Announcements ... 382
Inter-Regional Passenger Services 214
Learning from Adversity ... 553
Lorry Men Threaten Unofficial Strike 639
Management Development ... 412
Minister's View of Railway Problem 554
Modernisation and Electrification 35, *378, *460, 495, *503, *522, *551, 669
Motive Power 154, 214, 302, 386
Motor Drivers Disaatisfaction ... 665
Motor Drivers Strike ... 693, 719
Organisation 36
Passenger Services, Future Policy for 557
Publicity *119, *235, *323, *551, 579, *606, *667, *722, * 754
Public or Commercial Service? 93
Queensland Minister of Transport's Visit 490 553
Rail Holiday Bargains 30
Railway Benevolent Institution 178, 262, 350, 523, 606
Railway Catering 725
Railway Conversion 127, 270, 386, 442, 530, 586, 615, 647, 674, 702
Railway Expenditure 701
Railway Modernisation 167, 182, *190
Railway Queen at Barmouth ... 638
Railway Statistics, Revision Essential 153
Railway Superannuitants 121, 176, 556, 615, *675
Railway Viability 669
Railway Working Week 28, 116, 232, 465, 488
Rate Considerations 126
Rates and Charges, Increases ... 299
Research, Headquarters at Derby 727, 751
Results at the Turn of 1960-61 ... 213
Return to the Attack 97
Riding Qualities of Passenger Vehicles 70, 414, 498
Rolling-Stock Exhibition at Marylebone *547
Safe Driving Awards 32
Satisfied customers 34
Services 38
Staff Recruitment *30
" Starlight Special " Trains 118, 262
Stations, Closing of 90, 207, 263, 462, 463, 490, 522, 578, 639, 696, 722
Steam Locomotives, More to be Preserved 201
Sulzer Engine, 300th *435
Sunday Rail Fare 459
Superannuitants ... 556, *675
Technique of Selling 66
Timetable Complications ... 66
Track Surfacing by Welding ... 699
Traffic Trends in 1961 441
Transformer Troubles 6
Transport for a Unique Steel Plant 185
Uneconomic Lines, Making Use of 730
Uneconomic Service 1
United Nations Railways Statistics for 1959 124
Unusual Load by Rail to Blaenau Ffestiniog 230
Weed-Killing Train *517
Weed Sprays 459
Winning Back Railway Passengers 415, 531
Wood and Plastic Panelling ...*656
Work Study 123
Worth Valley Railway Threatened by Closure 232

British Railways Board:—
Chairman 325, 327, 345, 353, 525, 641, *664
Chairman's Expenses Allowance 375
Marples Regime 648
Salaries of Members 375

B.R. Eastern Region:—
Art Treasures Railed from London to Holland... 638
Barking, Re-signalling of Lines 355, *364, 582, *590
Belgium, Day Excursions ... 723
Bury St. Edmunds and Long Melford Service Withdrawal ... 463
Car Sleeper Service 77, 298, *318, 319
Cattle Breeders' Car-Sleeper Train 551
Colchester Modernisation *321, 635, *651

B.R. Eastern Region:—(*contd.*)
Colour-Light Signalling ... 754
Continental Services and Fare ... 638
Continental Service Pamphlets...*754
Contracts, Orders and Tenders 29, 117, 261, 321, 349, 461, 521, 721, 753
Covent Garden Market, Proposed Re-siting *58
Cyclists' Rail Excursion 434
Derailment, Chadwell Heath Track Damaged 30
Derailment, Pitsea 462, 488, 604
Diesel and Electric Trains ... 551
Doncaster Works Power Supply 751
East Anglian Ranger Ticket ... 434
Electric Tramway Closure ... 666
Electronic Accounting 206
Fenchurch - Southend Electrification 232
Freight Train Service, Withdrawal of 118, 322
General Electric Co. Ltd. Test Train 182, *204
Great Eastern Emblem ...*243
Great Northern Line Dieselised... 234
Great Northern Line, Power Station Development *196
Harlow Town, New Station ... 211
Harlow Town Station Train Indicators *622
Harwich-Hook of Holland Advertising 118
Holiday Period Rail Tickets, Reduced 579
Holiday Return Tickets 295
Hornsey Goods Depot, New Cold Store *262
Industrial Workers Trains at Dagenham 520
Landslips 27
London-Moscow Daily Service... 635
L.T. & S. Line Last Locomotive Withdrawn *388
L.T. & S. Line Electric Stock ...*695
Main Line Speed-Up 754
Mobile Test Laboratory for 25-k.V Lines *513
New Appointments 155
New Business Secured 583
Newmarket, Special Trains ... 434
North-East London Lines, Resumption of Full Services Delayed 31
Open Forum at Colchester 407, 466, *488
Parcel Van... ... ...*694
Permanent Way Modernisation...*677
Plastic Relay Room ... 322, *337
Poster *606
Potters Bar Tunnels ... 495, 611
" Queen of Scots " Pullman ... 433
Queen's Train, Delay to... ... 65
Regional News-Sheet Development 94
Runabout Tickets 490
Runaway Engine 722
Schoolboys, Short Works Course 434
Sheffield Area Modernisation 206, 265, 309 (map)
Sheffield Area to the East Coast, Holiday Period Tickets ... 379
Sheffield Travel Agents Meet Railway Officials 460
Shenfield Ticket Office 755
Special for Canadian Tourists ... 407
Steel Wire for East Germany ... 722
Stratford, Oil Explosion ... 91
Summer Services 584
Ticket Agents, More Help for ... 726
Tilbury-Gravesend Ferry ... 606
Tilbury-Gravesend Ferry Boat, Launching of 63
Tilbury-Gravesend Ferry Service Alterations 31, 150
Tough Assignment 66
Train Door Ope... 31
Travel Agents Meet Region Officials 319
Tunnel Construction Cheaper ... 495
Versatile Material *623
Waterside Electric Cranes for Blackwall *276
Welwyn-Hertford Special ... 718
West Halton Goods Station, Closure of 578

B.R. London Midland Region:—
Ambulance Competition ... 579
Automatic Level Crossing Barriers 150
Bedford-Hitchin Line Withdrawal 722
Brooksby and Frisby Stations to Close 722
Burnley Freight Depot ... 638, 724
Car Sleeper Service to Scotland... 694
Collision near New Mills (Central) Station, Report... ... 582, 602
Collision with Derailed Wagon... 206
Commonwealth Training Week...*667
" Condor " Container Service ... 756
Contracts, Orders and Tenders 29, 145, 205, 321, 461, 549, 605, 665, 721
Coventry, Power Signalling Installation 490, 548
Crewe Dinner 378, 466

B.R. London Midland Region:—(*contd.*)
Crewe-Euston Main Line ... 719
Crewe-Liverpool Section, Re-signalling 466, *476
Crewe-Liverpool, Stations, Reconstruction 625, *626
Crewe-Manchester Line, 50 Cycle System of Railway Electrification *510
Crewe-Manchester Line, Electric Rolling Stock Withdrawal ... 114
Crewe Station, Reconstruction...*594
Derailment of Diesel Train ... 178
Diesel Service for Cheshire ...*693
Diesel Service, Public Approval... 438
Diesels on Suburban Services ... 116
Diesel Traction School 755
Diesel Trains, " Bargain Returns on " 639
Diesels, Withdrawal from Service 638
Edgware Station, to Close for Parcels Traffic 522
Electrification 142
Engineering Work 90
English Electric Gas-Turbine Locomotive Trials ... 59, *90
Goods Depots to Close 207, 263, 639
Grand National Special Trains... 263
Heaton Mersey and Withington & West Didsbury Stations to Close 722
Hindley Green, Platt Bridge and Caton Stations, Closed ... 463
Holyhead Services to Dublin ... 27
Irish Services 374
Ireland, Container Service to ... 756
Killed in Tunnel 90
Kingmoor Carlisle Marshalling Yard 144
(London) Dramatic Society ... 462
Manchester Piccadilly Station, Reconstruction *664
Manchester Staff Canteen Roofing of 379
Marylebone Suburban Services 354, 695
Moss Side and Wrea Green Stations to Close 696
New Layout for Magazine ... 462
New Works Officer (Manchester) Annual Dinner 295
Opposition to Rail Closure ... 668
*Posters 606
Posters on Electrification... ...*754
Rail and Bus Ticket Interavailability 696
Railway Management Courses... 579
Retirement Luncheon, W. N. Roberts 434
Riding Qualities of Passenger Vehicles 70, 414, 498
Road Safety Award 550
Sandycroft Station to Close ... 490
Signal School for West Midlands *574
Special Car/Sleeper Train for Salesmen 63
Stafford Station Improvement ... 377
Stoke-on-Trent Freight Terminal 579, 655
Stoke-on-Trent, Model Locomotive Presented *491
Stoke-on-Trent Railway Station 176
Summer Service 496, 519
" Trans-Pennine " Services 28, 119, 354, 383, 494
West Midlands Division Railway, Tie *533
West Midlands Publicity... ... 755

B.R. North Eastern Region:—
Arts & Crafts Exhibition at York 607
Barnsley-Hull Railway Track ... 719
Bradford Exchange Station, New Enquiry Office 603
Bradford Exchange Station, Toilet Facilities *432
Bradford (Forster Square) Station, New Grill and Bar 434, 490, *501
Buffet Cars for Multiple-Unit Diesel Railcars *277
C.T.C. Between York and Beverley 574
Cheap Day Return Fares... ... 262
Civil Engineering Plant on Show 575, *661
Collision at Newcastle Central Station, Report... ... 94, *113
Colour Light Signals 350
Commonwealth Technical Training Week 635
Consett Iron Company, New Plate Mill 491
Contracts, Orders and Tenders 29, 62, 89, 145, 177, 205, 233, 405, 489, 549, 753
Co-ordinated Development ... 182
Day-Line Tickets 406
Diesel Multiple-Unit Additional Train 118
Drama Festival 350
Durham Train Services' Complaints 232
Exhibition at Newcastle 610
Gateshead Freight Terminal ... 720

B.R. North Eastern Region:—(*contd.*)
Holiday Excursion 720
Holiday Period Tickets 462
Honour for Railwaymen... ... 581
Kipling Cotes Station Conversion 463
Level Crossing Eliminated ... 491
Lifting Barriers 739
Lighting in Marshalling Yards ...*566
Locomen's Quiz Competition ... 170
Marshalling Yards 88
Modernisation and Development 182, *190
Modernisation and Overbridge Replacement 210, *218
Modernisation and the Permanent Way 438, *450
Modernisation Exhibition 320, *351
New District Control 462
Open Forum at Brighouse ... 608
Open Forum at Halifax 318
Open Forum at Harrogate ... 122
Open Forum at Newcastle ...*207
Open Forum at Sunderland ... 376
Open Forum at Wakefield ... 523
Out-of-Gauge Load of Steel ... 463
Permanent-Way Works, Mechanisation of *333
Pre-apprenticeship ... 326, 368
Railway Cottage Homes ... 578
Railway Queen at Scarborough... 723
Ramblers Excursion 695
" Roadrailer " on Show at Newcastle 459
Road Safety Contest 322
Schoolboys' Study Courses ... 410
Selling Freight 297, *319
Selling Railway Transport ... 210
Special Consignment to Italy ... 693
Special Excursion to " The National " 351
Special Trains Convey Girders 696, *755
Station Management 350
Stationmasters Discussion Courses *462
Stourton, New Marshalling Yard 377
Summer Services 383
Sunderland Station to be Rebuilt 350, 376
Temple Hirst Station, Passenger Facilities Withdrawn 92
Tollerton, New Power Signalbox *133
Tourist Facilities Improved ...*203
Train Service Alterations 146, 178, 179, 292, 463
" Trans-Pennine " Services 28, 119, 354, 383, 494
Two Hourly Sunday Service ... 459
Walton Station Closure ... 462
Weedspraying 259
Welbury Freight Depot 668
West Riding to London, Faster Services 692
Whitby West Cliff Station, Closure of 90
Yorkshire Dales, Special Trains... 551
York Station Christmas Tree Appeal, 1960 262

B.R. Scottish Region:—
Aberdeen-Ballater Sunday Service 755
Aberdeen/Inverness Diesel Expresses 30
Aberdeen-Inverness Service Improved 438, 696
Accidents in Glasgow Suburban Electric Trains, Report 65, 86, 118, 127, 154
Airdrie-Bathgate Line 176
Banchory, New Rail Halt ... 178
Blackford Level Crossing, Lifting Barriers 90, *379
Brick Knocks Out Train Driver 63
Buffet Cars Withdrawn 694
" Caledonian Princess " Launched 432
Census Forms by Rail 607
Clyde and Loch Lomond Steamer Services and Trips 119
Contracts, Orders and Tenders 145, 205, 349, 489, 665
Cowdenbeath Station Rebuilt ...*463
Diesel Land Cruise 722
Edinburgh Railway Anomaly ... 232
Electric Train, Testing of ... 295
Electrification 232
Falkirk, Sunday Train Alterations 63
Film Shows to Staff 523
Forfar-London Fruit Trains ... 607
Glasgow Central Signalbox ... 575
Glasgow Fair, Seat Reservations 522
Glasgow Suburban Electric Trains Inquiry 2, 24, 127, 154
Glasgow Steam Services Restored 65
Griddle Car 116
Inverness-Kyle Observation Car *640, 667
Inverness-Wick Line, Rogart Station to Re-open as Halt ... 234
Posters *667
Potato Forwardings 578
Scotland and Northern Ireland Interavailability of Tickets ... 608
Showroom on Rails 118
Signal Post Telephones ...*283
Skye, More Ferries 550
Steam Services, Elimination of ... 696

B.R. Scottish Region:—(*contd.*)
Summer Services ... 547, 614
Train Alterations, ... 4
Vandalism 722
Warning Poster 579
West Highland Railway Publicity 667
West Highland Timber Train ...*638

B.R. Southern Region:—
Accident, Waterloo Station, Report 210, 228
Bicycle on Line 31
Branch Lines to Close 262
Brighton Station Refreshment Rooms 550, *712
Car Tourist Train 326
Channel Islands, Addition to Service *719
Collision at Cannon Street Station 351
Collision at Waterloo 462
Contracts, Orders and Tenders 89, 145, 294, 405, 665
Cross Channel Motor Ferries ... 31
Crowded Trains 210
Diesel Trains 695
Early Morning Trains Fewer ... 667
Fire-Fighting Competition ... 550
Folkestone Central Reconstruction *719
Fox Hounds Electrocuted ... 118
Go-As-You-Please Ticket ... 491
" Golden Arrow " Goes Electric 639, 698
Goods Yards to Close 490
Holidays Abroad 295
Isle of Wight Ferry *348
Landslips 27
Kent Coast Electrification, Electric Stock ... *627, *630
Kent Coast Electrification, Phase 2 ... ... *627, *630
London-Folkestone Electric Service *723
New Container 434
Newhaven Car Ferry 350
News-Sheet 122
Passenger Train to be Withdrawn 490
Pluvex Used to Repair Landslide 523
Praise 260
Southampton, Improved Freight-Handling Facilities *363, *376
Summer Services 412
Ticket Concessions, Early Morning 30
Tonbridge Line Diesel Failure ... 207
Track Capacity 386
Trains Diverted 117
Uncolourful South 154
Victoria Station, Air Terminal ... 754
Voluntary Vocational Training 238, *246

B.R. Western Region:—
Accident at Pyle, Glamorganshire 30
Bala-Blaenau Ffestiniog (Central) Freight Line 146
B.R. Type " 4 " Diesel-Hydraulic Locomotives *138
B.T.C. Chairman's Visit to West Country 434
Chief Officers Christmas Luncheon *60
Collision Blocks Line 90
Collision, Strand Castle Level Crossing 90
Commonwealth Technical Training Week 610
Contracts, Orders and Tenders 62, 117, 349, 378, 521
Diesel Engine Being Fitted ...*722
Employees at F. Perkins Limited *30
Even-Interval Timetable 612, 702, 730
Freight Services from Scotland to the West Improved 349
Hayes and Harlington Station Rebuilding 460
Holiday Runabout Tickets ... 379
Hymek Handing Over Ceremony 554, *603
Landslips 27
Lifting Barrier Installation ... 59
Margam Yard, Doppler Radar Systems *633
Newport, Re-signalling ... 59, 460
Oxford Running & Maintenance Depot, New Staff Accommodation 491
Paddington, Closed-Circuit Television 755
Paddington Exhibition 610
Paddington-Penzance Route, Slip at Wiveliscombe *252(map)
Parking Fee Increased 692
Pickford, The Late A. C. B. 181, *197
Plymouth North Road, Canopy Platform Roofing *221
Plymouth, Re-signalling ... *42(map)
Publicity *235, *323, *460, *551, *722
Riding Qualities of Passenger Vehicles 70, 414
Royal Albert Bridge Saltash, Repairs *274, 387
St. Julians Usk River Bridge, Strengthening of *76

B.R. Western Region:—(*contd.*)
Sailings Augmented to and from Ireland 262
Service Withdrawn 351
Sliding Wagon Roof 206
Staff Association Band of Swindon 617
Station Buildings, Construction Resumed 292
Stone-Arch Overbridge, Demolition of *134
Summer Services 441
Swindon Works, Servicing Diesel Fuel Injection Equipment ...*474
Tamar Suspension Bridge ...*502
Train Codes 266
Tunnel Maintenance by Air ... 723
Weld Examination by X-Ray ...*393
West Ruislip Bridge Reconstruction 597
Westward Television Limited Exhibition Train ... 119, *202, 262

British Road Services:—
Luton Reorganisation 146
Parcels Depot Extended 696

British Standards Institution:—
Cranes 207
Flexible Load-Bearing Urethane-foam Components " Polyether Type " for Vehicles 668
Gear Planing and Shaping Machines 119
Iron Castings 694
Mild-Steel Drums 235
New Kite-Mark Licensee ... 578
Oxy-Acetylene Welding of Mild Steel 91
Railway Capacitors 466
Revised Standard (Electrical Power Switchgear and Associated Apparatus) 235
Rolling Stock Tyres 238
Signal Lamps 63
Standards Engineers Conference 625

British Transport Commission:—
Advertising at Advertising Services Exhibition 491
Advertisement Award *349
Advertising 409, *639
Advertising, I.C.I. Orders ... 30
Advertising, Increased Income ... 607
Advertising Policy 520
Advertising, Quo Vadis? ... 2
Advertising Rentals Changes 378, 394
Advertising, Roadside Sites at Ilford *31
Advertising Sites 490
Annual Cost to Railways of Extra Oil Duty 520
Bill 293
Brebner, J. H. 353, *371
Building Sites Over Goods Yards and Sidings 347
Can British Railways Pay ... 671
Case for Higher Fares 116
Chairman's Expenses Allowance 375
Chairmanship 325, 327, 345, 353, 525 641, *664
Chairman's Message to Staff 641, 663
Chairman's Press Conference ... 669
Chairman's Visit to West Country*434
Contracts, Orders and Tenders 525, 756
Design in Transport Equipment 211
Disintegrating 493
Exhibition, " New Architecture in Transport " 755
Fish Train Complaint 575
Glasses for Men on Footplate ... 668
Harmonic Analyser *141
Honourable Retirement 641, *664, *675
Imperial College, Courses in Electric Traction 742
Letting the Public Know ... 697
Loading and Unloading of Mail Trains 405
M.P.'s Thanks to Sir Brian Robertson 664
Money and Energy Wasted 242, 330
Museum 382, 432
N.E.R., Barnsley-Hull Railway Track 719
Organisation for Research 176, 240, *391
(Passenger) Charges Scheme, 1959 90, 147, 297
Presentation and Dinner to Sir Brian Robertson *635
Project 123
Railwaymen's Pay Claims ... 548
Railway Modernisation ... 167, 182
" Railway Policeman, The " 727, 731
Railway Running Sheds ... 488
Railway Sites for Rent 604
Railway Superannuitants 121, 176, 556, 615, *675
Railway Working Week ... 465, 488
Recruiting Labour in Barbados 232
Re-organisation 345
Rolling Stock Exhibition at Marylebone 186, *547, 553, 554, *571, *604

British Transport Commission:—(*contd.*)
Running and Maintenance Organisation Course *374
Scottish Area Board Meets T.U.C.C. 664
Select Committees Findings, Comments On 467, 486, 522
Self-Inflating Liferafts 378
Sends Mechanical Expert to Africa 326
Shorter Working Week 603, 693, 752
To Divide is to Multiply 525
Traffic Receipts 66, 183, 300, 413, 584, 644
Tributes to Sir Brian Robertson... 554
U.S. Motive Power 405
West Indians on Railways and Buses 176

B.T.C. London Transport Executive:—
Amateur Cup Final, Cheap Excursions 433
Anniversary Dinner for A. H. Hawkins 435
Athol Street Garage Closed ... 579
Bakerloo Line, Near Thing ... 416
Barking, Re-signalling of Lines 355, *364, 582, *590
Barking Station, Reconstruction 232
Bus in Switzerland 118
Busmen, Claims for Shorter Working Week 293
Bus Services, Improvement in ... 266
Bus Smash, 18 Hurt 31
Bus Timetables, Computer Compilation of 27
Central Line, Chigwell Bridge Reconstruction 235
Central Line, Notting Hill Gate Service 25
Central Line, Notting Hill Gate Station, Modernisation ...*523
Chiswick Works, Reorganisation 411
Contracts, Orders and Tenders 405
Control and Locking of Junctions 266
Country Bus Route Map ... 608
District Line, Wimbledon Service 666
East Hounslow Station 293
Electrical Fire near Redgrave Report 670, 690
Experimental Tunnels ... 300, *338
Fares Increase 697
Five Freedoms and the Buses ... 526
Green Line, Routemaster Coaches 754
Holborn Station, Escalator Breakdown 31
Informative Announcements ... 382
Inquiry Urged 410
Local Centenary 459
London Buses Longer 462
London Transport Players ... 207
Lost Property Charges 30
Lost Umbrellas 754
Metropolitan Line Modernisation 170
Metropolitan Line, Moor Park New Station 463
Metropolitan Line, New Cars, A60 Stock *435, *736
Metropolitan Line, Rain Closes Station 550
Pay Increases 116
Poster *460
Push-Chair Service 550
Rolling Stock Order Transfer ... 410
" R.W. " Buses Move to Surrey 90
Sightseeing Tour of London ... 606
Sudbury Town Station, More Parking Space 147
Summer Timetables 550
Sunday Coach Trips 578
Suspended Services 434
Underground Map for Trains, New Style *406
Victoria Coach Stop 579
Victoria Line, Estimated Cost ... 752
Victoria Line Project ... 293, 520
" Visitor's London," Poster Map 320

British Transport Docks:—
Contracts, Orders and Tenders 321
S.R. Southampton, Improved Freight - Handling Facilities *363, *376
Traffic Increase 234

British Transport Hotels and Catering Services:—
N.E.R. Bradford (Forster Square) Station, New Grill and Bar 434, 490, *501
Railway Catering 725
Scottish Region, Griddle Car ... 116
S.R. Brighton Station, Refreshment Rooms 550, *712

British Transport Waterways:—
Pleasure Craft 295

British Travel and Holidays Association:—
London Guide Lecturers, Examination 296
Overseas Visitors to Britain 31, 117, 579
Tourist Record 754

British Weed-Control Council Conference 578, 667

Bulgaria:—
Anglo-Bulgarian Trade Negotiations 522

Burma Railways:—
Contracts, Orders and Tenders 461, 665
Main-Line Express Ambushed ... 676
Modernisation 182
Report, 1958-59 68
World Bank Loan ... 179, 182

C

Cambodia Railways:—
Colombo Plan Equipment ... 473
Wagons, Delivery of 216

Canada:—
Canadian Railway Club 240
Hadfields Limited... 146
Montreal Underground 481
Toronto Subway, Indigenous Coaches 360
Toronto Transit Commission Contract 62
Visit by Sir Lionel Kearns ... 522

Canadian Railways:—
C.N.R. Headquarters 638
C.N.R. Improving Freight Business 298
C.N.R. in 1960 211
C.N.R. Moncton, New Hump Yard 210, *222
C.N.R. Moncton, New Station and Offices 619
C.N.R. New Fast Freight Service 332
C.N.R.'s New Look ... 150, *179
C.N.R. New Straddle-Carrier ...*417
C.N.R. Nova Scotian Hotel ... 583
C.N.R. Operating Results, January 444
C.N.R. Operating Results, April 724
C.N.R. Vigorous Action... ... 494
C.P.R. Breaches in British Columbia 500
C.P.R. Computing System ...*568
C.P.R. Dividend 724
C.P.R. Earnings 666
C.P.R. in 1960 152
C.P.R. Report, Comment on ... 439
C.P.R. Soo Line, 4,800-miles ... 411
Heavy Subsidies 438
Mineral Line Completed... ... 41
Ontario Northland Railway Restaurant Services 360
Railway Trends 326
Recent Orders 332
Snow Clearance *216

Centenaries:—
British Railways Centenaries of 1961 7
Finnish Railways 704
London Transport, Local Centenary 459
Pakistan Railways ... 473, 529
South African Railways... ... 301

Central Transport Consultative Committee... ... 383, 435 582

Ceylon Railway:—
Contracts, Orders and Tenders 177, 233, 665, 721
Ministers Visit 755

Chamber of Commerce:—
Southampton, Annual Dinner 493
Tees-Side & South West Durham, Annual General Meeting ... 581

Channel Tunnel:—
Discussion 520
Policy 459
Study-Group Discussion ... 354

Charges:—
See Rates and Charges

Chile:—
Copper Concentrates by Pipeline 704
World Bank Mission 669

Chilean Railways:—
Contracts, Orders and Tenders... 721
Ten-Year Development Plan ... 332

Chinese Railways:—
Kowloon-Canton Railway ... 183
Ladies Man Train 416

C.I.M.A.C.:—
British Participation in 1962 ... 611
Copenhagen Congress 350, 354, 643, 670
Recommendations 525

City & Guilds of London Institute:—
Commonwealth Training Week 490, 551, 554
Progress 382

Civil Engineers, Institution of:—
Conversazione 751
Duke of Edinburgh's Lecture, The 322
Meetings 184, 495, 578, 611
Railway Modernisation Conference ... 35, 495, *503, *551

Coal:—
See also Fuel
Coal Industry Society Luncheon 201
Indian Railways, Coal Wagon Allotment 244
Indian Railways, Heavy Capacity Bogie Open Wagon *733

Colombian Railways:—
Contracts, Orders and Tenders 534, 549
Locomotives on Order 534
Rolling Stock Purchase 639
Survey of Transport 583

Commonwealth Training Week:—
Overseas ... 490, 610, 635, *667

Congo:—
Refugee Trains Attacked ... 473

Contracts and Tenders:—
29, 62, 89, 117, 145, 177, 205, 233, 261, 294, 321, 349, 377, 405, 433, 461, 489, 521, 549, 576, 605, 637, 665, 694, 721, 753

Costa Rica:—
Railway Co. Ltd. ... 323, 490
World Bank Loan 263

Crewe Pupils & Apprentices Association Dinner 234

Cuba:—
United Railways of the Havana and Regla Warehouses-Liquidation 502, 603

Czechoslovakian Railways:—
See Slovakian Railways

D

Danish Railways:—
Automatically Controlled Trains 534
Copenhagen, More Suburban Lines 588
New Diesel-Electric Locomotives 445
New Electrified Line 272
Summer Timetable 610

Denmark:—
Danish Railway Society 472
C.I.M.A.C., Copenhagen Conference ... 350, 354, 643, 670
Private Railway Closures 100, 304
Private Railways into Joint Ownership 332

Diesel Engineers and Users Association:—
Annual Luncheon ... 322, 466
General Meeting 295

Diesel Railway Traction:—
Alaska, Outlay on Improvements 332
B.R. "Deltic" Diesel on Trial ..*475
B.R. Diesel-Electric Locomotives Type 3 698
B.R., Diesel Locomotive 1,000th 723
B.R. Diesel Services Regain Passengers 323
B.R. Diesel Traction 616
B.R. Motive Power 154, 214 302, 386
B.R. Sulzer Engine 300th ...*435
B.T.C. Contract for Diesel-Electric Locomotives 525
B.U.T.-Powered Trains Good Performance 354
Canadian Railways, C.N.R. Moncton Hump Yard, Diesel Shop Construction ... 210, *224
Canadian Railways, C.P.R. in 1960 152
C.I.M.A.C. Recommendations... 525
Danish Railways, New Diesel-Electric Locomotives 445
Diesel and Electric Traction 555, 647
Diesel Crankcase Oils 68
Diesel Deodorant 545
Diesel Locomotives, Derby-Built 355
Diesel Trains 355, 442
Diesels, Cooling Equipment on ... 328
E.A.R. and Harbours, Diesel-Electric Locomotive Class "90," Altitude Test *192
E.R. Great Northern Line Dieselised 234
Eire, C.I.E. Diesel Locomotives 20, 60, 332
French Railways, Diesel Traction, 16 Cylinder Vee Engine ... 578
Ghana Railway and Harbours, Diesel Railway Workshop Opened 332, 473
Ghana Railway and Harbours, Motive Power *618
High Performance Lightweight Trains, Diesel and Electric ...*708
Hydro-Mechanical Transmissions for Dual Purpose Locomotives 411, *421, 530
Indian Railways, Diesel Locomotives, Manufacture of ... 676
Indian Railways, Eastern Railway Dieselisation 582

Diesel Railway Traction:—(*contd.*)
Italian Railways, Abolition of Steam Haulage in South ... 130
Japanese Railways Diesel - Hydraulic Trains ... 3, *10
Leyland Diesels, More Demand for 207
L.M.R. Diesel Service for Cheshire... ... ...*693
L.M.R. Diesel Service, Public Approval 438
L.M.R., Diesels on Suburban Services 116
L.M.R., Diesels Withdrawn from Service 638
L.M.R., Marylebone Suburban Services 354, 695
Malayan Railways, Diesel Working 268
Netherlands Railways, Diesel Trains 279
New South Wales, New Bogies for Diesel Trains 188
New Zealand Railways, Diesel Traction 130
Nigeria, Small Diesel Locomotives for Industry *105
N.E.R. and L.M.R. "Trans-Pennine" Diesels Success ... 494
N.E.R. Buffet Cars for Multiple-Unit Diesel Railcars *277
N.E.R. Diesel Multiple - Unit Additional Train 118
North Western Railway Diesel Locomotive No. 2012 ... ...*379
Queensland Railways, Co-Co 1,650-h.p. Diesel - Electric Locomotives 389
S.A.R., Diesel Hydraulic Locomotives *480
S.A.R., New Locomotives 418, *607
S.R., Diesel Trains 695
S.R., Tonbridge Line, Diesel Failure 207
Sulzer Bros. Ltd., Diesel Output Figures 550
U.S.S.R., Diesel-Electric Locomotive 3,000-h.p. *131
U.S.S.R., Diesel Traction ...*100
U.S.A., Diesels for Refrigeration Wagons *372
U.S.A. Railways, British Diesel Engines 149
U.S.A. Railways, Diesel Power Experience 241, 387
U.S.A. Railways, Economies of Diesel Traction *311
U.S.A. Railways, Motive Power 611
Victorian Railways, Diesel-Electric Locomotives ... 619, 676
Western Australian Railways, Midland Railway Exit Steam... 417
W.R., B.R. Type "4" Diesel Hydraulic Locomotives ...*138
W.R., Diesel Engine Being Fitted *722
W.R. Employees Studying Diesel Maintenance *30
W.R., Servicing Diesel Fuel Injection Equipment at Swindon... ... ...*474

Dividends:—
See Stocks and Stockholders.

Docks, Harbours, Ports, Etc.:—
E.A.R. and Harbours, Deep Water Berths, Opening of 130
Ghana, Railways and Harbours, Tema Harbour 473
Indian Railways, Calcutta, Proposed Subsidiary Port ... 676
Mozambique Railways, Port and Railway Improvements ... 704
Nigerian Railways, Port Harcourt Sidings *620
S.A.R., Port Elizabeth Harbour 473, 611

E

East African Railways & Harbours:—
Annual Report 643
Appropriation for Re-laying £1,500,000 618
Beyer-Garratt Locomotive "58" Class *537
British Praise 439
Contracts, Orders and Tenders 233
Deep Water Berths, Opening of... 130
Diesel-Electric Locomotive "90" Class Altitude Test *192
During April 642
General Manager 609
Jinja - Bukonte Line, Official Opening ... *565, *578
Mechanical Workshops Progress *650, *653
£3 million for Railways ... 607
Nairobi, Commonwealth Technical Training Week *755
Presentation to Sir James Farquharson *579
"Review of Localisation and Training" 670
Revenue and Tonnages 304
Second-Class Travel Cheaper ... 589

East African Railways and Harbours:—(*contd.*)
Staffs' Rights 604
Tanganyika, New Line Projected 560, 618
Uganda Engineering Works 495, *565, *578
Whitson Report 618
Works Programme 473

Egyptian Railways:—
Contracts, Orders and Tenders 62, 177, 205, 233, 294, 461, 489, 577, 721

Eire:—
C.I.E. Area Management ... 265
C.I.E. Courses for Guards and Ticket Collectors 34
C.I.E. Development 720
C.I.E. Diesel Locomotives 20, 60, 332
C.I.E. Freight Accounting ... 382
C.I.E. Maintenance Planning and Control 494
C.I.E. Progress 642
C.I.E. Successful Drive for Traffic 123
Irish Railway Clearing House Chairman 147
Motive Power Performance Tests 8

Electrical Engineers, Institution of:—
Summer Meeting in London ...*667
Symposium on Foamed Rubber and Plastics 91

Electric Railway Traction:—
Aerosol-Packed Grease 258
Argentine Railways, Motors for Underground Stock 389
Brazilian Railways, Leopoldine Electrification Extended ... 244
Brazilian Railways, New Equipment and Works 244
Brazilian Railways, Progress with Improvements 216
B.R., A.C. High Voltage Locomotives ... 47, *50, 118, 186
B.R. Electric Multiple-Unit Failures Report 698, 716
B.R. Electrification Conference ... 265
B.R. Electrification System 25 kV, 50 cycles 151
B.R., Learning from Adversity... 553
B.R. Mobile Test Laboratory for 25-kV Lines *513
B.R. Modernisation Plan ... 504
B.R. Transformer Troubles ... 6
Courses in Electric Traction at Imperial College 742
Danish Railways, New Electrified Line 272
Diesel and Electric Traction 555, 647
E.R. Electrification, Fenchurch-Southend 232
E.R. Great Northern Line, Power Station Development *196
E.R. L.T. & S. Line Electric Stock *695
E.R. Testing Dual-Voltage Lines 182, *204
Edison Locomotive, The... ... 388
Electrification Planned Only One Year Ahead 374
Electronic Locomotive 281
Europe, International Freight Expresses 741, *744
French Railways, Eastern France Electrification *629
French Railways, High Speed Trials *743
French Railways, S.N.C.F. Electrification Progress 509
Germany, Electrification Progress 741
Germany, Electrification, Wiesbaden-Frankfurt 417
High Performance Lightweight Trains, Diesel and Electric ...*708
High-Power Electric Locomotives 214
Hungarian Railways, Development 304
Indian Railways A.C. Traction Progress 163, 399
Indian Railways, Electrification Progress 650
Indian Railways, Perambur, Production of Multiple - Unit Coaches 742
Investigation of Section Insulators 163, 212
Italian Railways, Four-Car Luxury Trains *164
Japan, Underground Cars 509, *514
L.M.R. Crewe-Euston main line 719
L.M.R. Electrification 142
L.M.R. Manchester-Crewe 50 Cycle System of Railway Electrification *510
L.M.R. Manchester - Crewe, Electric Rolling Stock Withdrawal 114
London Transport Metropolitan Line Modernisation 170
London Transport Metropolitan Line, New Rolling Stock ...*736
Malaya, Penang Hill Funicular Railway *705

Electric Railway Traction:—(*contd.*)
N.E.R. Locomen's Quiz Competition 170
Norwegian Railways, Suburban Electrification 304
Plastic Sleeving *258
Portuguese Railways, Estoril Electric Railway Modernisation ... 115
Scottish Railways Electrification 232
Scottish Region, Electric Train, Testing of 295
Scottish Region, Glasgow Suburban Electric Trains Inquiry 2, 24
Scottish Region, Signal Post Telephones *283
Slovakian Railways, Electrification Extension 245
Slovakian Railways, Modernisation Plans 156
S.A.R. Electrification 68, *72, 399
S.A.R. Locomotives, Class "5E1" 3,000-V. D.C.... ... 741
S.R. "Golden Arrow" Goes Electric 639
S.R. Kent Coast Electrification, Electric Stock *627, *630
S.R. Kent Coast Electrification, Phase 2 ... *627, *630
S.R. London-Folkestone, Electric Service *723
Spain, Barcelona Underground Railway ... *168(map)
Spanish Railways, Two-Car Electric Trains *285
Standards Engineers Conference 625
Swedish Railways, Electric Multiple-Unit Trains *282
Swiss Railways, Electricity Generation 509
Swiss Railways, Electric Locomotives 150, 167
Swiss Railways, Jungfrau Railway Motive Power *400
Swiss Railways, Modern Electric Push-and-Pull Trains *48
Swiss Railways, T.E.E. Trains ... 726
U.S.S.R. Electrification Progress 281, 298
U.S.S.R. Siberian Railway Electrification 41
U.S.A. Railways, G.E.C. Locomotives 755
U.S.A. Railways, New Haven Railroad Transistorised Control for Commuter-type Railcars *746
Victorian Railways, Upper Ferntree Gully Construction ... 534

Electric Railway Traction Section:—
47, 163, 281, 399, 509, 625, 741

Employment:—
B.T.C. Recruiting Labour in Barbados 232
Education for the Employee ... 162
West Indians on Railways and Buses 176

Engineering Practice:—
Automatic Air Brake 111
Bonded Coatings *633
B.R. Controlled Road Testing System 564
Carriage and Railcar Bogies; Their Design and Development 305, *446, *538
Cooling-System Tester *23
Co-ordinating New Works With Traffic 440
Crack Detector 635
B.R. Disc Brakes, Automatic Two-Stage ... 699, 719, *734
Early Brake Dynamometer ...*271
Flow Indicators 660
Fuel Injector Tester 403
Grassing Slopes of Railway Cuttings and Embankments ... 481
Greases 518
Half Scale Bridge Tests 268
Hardening Points and Crossings by Explosives *80
Hydrostatic Lubricator *659
Jacking a 10-ft. dia. Concrete Pipe for Storm Drain *706
Loading of Light Rails ... 35
London Transport, Experimental Tunnels 300
Modernisation and Overbridge Replacement 210, *218
New South Wales Railways, New Bogies for Diesel Trains ... 188
N.E.R. Modernisation and the Permanent Way ... 438, *450
Obtaining a Smooth-Running Bogie *17, *74, 242
Recorders *659
Resilient Mounting *518
Rubber Suspension *616
Self-Priming Pumps 750
Standard Bearings 634
Suspension Characteristics *106,*158
Train-Heating Boiler *85
Tuning Fork 633
Tunnel Driving and Construction 300, *338

Engineering Practice:—(*contd.*)
U.S.S.R. Adjustable Axle ... 695
W.R. Margam Yard, Doppler Radar System *633
W.R. Weld Examination by K-Ray *393

Engineers Guild:—
African Tour by Mr. J. G. Orr ... 514
Conference 327
Dr. Beeching's Appointment 437, 459
Increased Membership 355

Europe:—
A.T.C. Kofler System *362
Britain's Rail Links 301
Car-Sleeper Trains 410
C.I.C.E. Information Bulletin ... 438
E.C.M.T. Annual Report ... 495
European Journalists Visit Britain 490
European Railways Information and Publicity ... 231, 238, 574
International Freight Expresses 741, *744
Swiss Loan for Eurofina ... 638
U.I.C. Conventional Station Signs 519
U.I.C. In London 519
U.I.C. New Headquarters ... 373
U.I.C. Public Relations Drive ... 238
U.I.C. Working Parties Set-Up 519
United Nations Railway Statistics for 1959 124

European Goods Train Timetable Conference 411
European Timetable Conference 466, 741

Exhibitions:—
See Publicity and Industry

Exports:—
B.R. Satisfied Customers ... 34
Broken Delivery Promises ... 115
Combating Difficulties Overseas 609
Co-operation in Electrical Exports 93
Economic Survey for 1961 ... 409
Export Council for Europe ... 66
Export Drive, by Electrical Manufacturers 88
Exports Essential 66
Government Aid to Exporters 581, 609
Government Policy Required ... 325
Knowledge Gained in Modernisation 609
Nothing Venture, Nothing Have 33
Overseas Trade Fairs 265
Polish Railways, Rolling Stock Exports 610
Rumanian Railways, Goods Exchange Agreement 588
Spanish Railways, Overland Transport 266
Western Germany, Trade Opportunities 698

F

Fares:—
See also Tickets and Rates and Charges.
Brazilian Railways, Sao Paulo Train Fares 73
B.R., Fares Discrepancy... 149, 697
B.R., Fares, Early Morning ... 176
B.R., Fares Increase 697
B.R., Fares, Saturday Night Cheaper 147
B.R., Fares Sunday 459
B.R., Holiday Bargains 30
B.T.C., Case for Higher Fares ... 116
E.A.R. and Harbours, Second-Class Travel Cheaper 589
E.R., Continental Service and Fares 638
French Railways, Fares Reductions 319
Letting the Public Know... ... 697
L.M.R., Diesel Trains, "Bargain Returns" 639
Metropolitan Railways and Fares Structures 528
N.E.R., Cheap Day Return Fares 262
Provincial Bus Fares Higher ... 667
Scottish Region, Aberdeen-Inverness 438
S.R., Car Tourist Train 326
Transport Tribunal's Decision ... 697
United Automobile Services Ltd., Bus Fares Rise 754
Victorian Railways, Fare Reduction, Success in 610

Federation of British Industries:—
Conference, "Invest in the Future"... 162
Delegation to South East Asia ... 407
Delegation to Spain ... 146, 494
Industrial Film Festival at Turin 201

Federation of Railway Lecture and Debating Societies 09

Ferries:—
See Ships and Shipping.

Finnish Railways:—
Activity Initiated by Staff ... 445
Centenary 704
Gas-Oil in Locomotives, Fuel Consumption 472
Hyvinkää and Karkkila Line Closed to Passenger Traffic ... 732
Re-Railing 472
Rolling Stock 445
Tractive Stock 445
U.S.S.R., Connecting Traffic ... 445
Wagons Taken Into Traffic ... 445

Fleet Street Railway Circle Dinner 93, *118

Formosa:—
Contracts, Orders and Tenders 29, 233, 261, 489

France:—
Presentation to Louis Armand ...*752
Road Haulage Price Control ... 151

French Railways:—
Accelerations 182
"Chaix," Development of ... 670
Double-Deck Motorcar Carrier...*534
Eastern France Electrification ...*629
Fares Reductions and Improved Services 319
High Speed Trials *743
Le Mans, Motive Power Facilities 34
London-Paris Road/Air/Rail Service 201
Lunch to C. M. Hannoyer ... 462
"Mistral," Air Conditioning ... *14
S.N.C.F., Electrification Progress 509
S.N.C.F., Map *607
S.N.C.F., Order 578, 607
S.N.C.F., Paris-Orly Air Terminal Office 667
S.N.C.F., Presentation 755
S.N.C.F., Productive Year ... 94
Strike 607
Summer Train Services ... 468, 557

Fuel:—
Bulk Transport of Fuel Oil 266, *280
Finnish Railways, Fuel Consumption 472
Pipeline from Thames to Mersey 323

G

Gas Turbine Locomotive ... 59

Germany:—
Augsberg, Carriage - Cleaning Plant 118
Commemorative Stamp *39
East Germany, British Trade with 579
Electrification Progress 741
Electrification, Wiesbaden-Frankfurt 417
Federal Railway Bond Issue ... 117
Kullen and Company, U.K. Representative 91, 118
Railway Sleeper 522
R.F.D. Co. Ltd., Factory Opened 147
Summer Railway Timetables ... 361
Western Germany, Electronic Seat Reservation 9
Western Germany, Faster Passenger Services 245
Western Germany, Season Tickets Higher Rates 245
Western Germany, Trade Opportunities 698

Ghana, Railways and Harbours:—
Diesel Railway Workshop Opened 332, 473
Motive Power *618
Report, 1958-59 267
Tema Harbour 473

Government:—
Aid for Exporters... ... 581, 609
Austrian Engineers Visit Britain... 636
Budget, Some New Ideas... ... 437
Control of Railway Finance ... 375
Customs Inspection on Trains not Feasible 176
Export Council for Europe ... 66
Final Re-Appraisal of Railways 142
Manufacture of Rolling Stock ... 405
Marples Regime 648
Nationalised Industries White Paper 437, 467, 486, 522
Need for Export 409
No Economy in Manpower ... 237
Overseas Trade Fairs 265
Pipeline as Transportation ... 293
Policy Criticised 115
Railway Debate 121
Railways Board and Railway Boards 1, 95, 176, 209, 297, 327
Railways in the New Era... ... 327
Stedeford Report 61
United Kingdom Loan to Pakistan 72
White Paper 1, 61, 95, 121, 144, 493
White Paper Debate ... 33, 149

Great Western Railway (London) Operatic Society 262

Greek Railways:—
Contracts, Orders and Tenders 89, 177, 205, 433, 489, 605, 665, 721, 753

H

Harrow & Wembley Productivity Association Conference 33

Historical:—
"A" Class Condensing Tank Engine *559
British Transport Museum 382, 432
"Caerphilly Castle" Honourable Retirement ... 641, *664, *675
Goods from the Middleton Railway 359
Historical Details *731
Last of its Class *155
Railway Centenaries 7
Railway Museum at York ... 77
Railways in 1861 3
West of India Portuguese Railway 407, 496

Holidays:—
B.R. Camping Coaches 94
B.R. Holiday Haunts 237
B.R. Holiday Bargains 30
Expansion of Travel 31
Holidays Abroad 295
Holiday Variety 3
Sea Voyaging 1961 754
"Starlight Special" Trains ... 118
Travel Trends in 1961 490

Hotels, Restaurants, Buffets, etc.:—
Canadian Railways, Ontario Northland Railway Restaurant Services 360
Canadian Railways, C.N.R., Nova Scotian Hotel 583
Indian Railways, Catering Services 40
Northern Ireland, Belfast Refreshment Facilities *363
S.A.R. Refreshments for Non-Whites 676

Humorous Cartoons:—
71, 303, 499, 617

Hungary:—
International Measurement Conference 273
Rolling Stock for U.S.S.R. ... 217
Stamp of Approval *731

Hungarian Railways:—
Air-Conditioned Coaches ... 642
Concrete Railway Sleepers ... 472
Long-Welded Rail Laying, Progress 618
Passengers, Increase in 41
Railway Development 304
Rolling Stock 217
Staff Training *320

I

India:—
E.C.A.F.E. Study 244
Escorted Tour 523
Indian Industries Fair, 1961 ... 53
Royal Visit to Madras ... 319, *332

Indian Railways:—
A.C. Traction Progress 163, 399
Assam "Quick Transit Service" 40
Bhopal-Bina Doubling ... 40, 588
Bihar Gauge Conversion ... 588
Bombay, Baroda & Central India Railway Underwater Interlocking *398
Bombay, New Goods Terminal... 72
Bombay Suburban Services ... 72
Budget Estimates for 1961-62 ... 583
Calcutta, Potentialities of Sealdah 588
Calcutta Proposed Subsidiary Port 676
Catering Services 40
Centralised Traffic Control ... 732
Coal Wagon Allotment 244
Contracts, Orders and Tenders 29, 62, 89, 233, 261, 294, 377, 406, 549, 605, 637, 665
Diesel Locomotives, Manufacture of 676
Eastern Railway, Dieselisation... 582
Electrification Progress 650
Gandak River Bridge Opened ... 188
Guidance on Development ... 526
Indian and Pakistan Reunion ... 637
Iron-Ore Railway... ... 699 (map)
Kashmir, Proposed New Link ... 72
Khandwa-Hingoli Construction Features 467
New Lines Under Construction... 619
N.E.F.R. Telta Head-on Collision 619
Perambur, Production of Multiple-Unit Coaches 742
Planned Development 611
Pondicheri Railway Co. Ltd. 580, 670
Pre-Stressed Concrete Bridges ... 151
Rail Concession to Foreign Tourists 704

Indian Railways:—(*contd.*)
Railways During 1959-60 467
Ranchi, Broad-Gauge Access to 216
Refrigerated Fish Van 40
Report 1959-60 646
Royal Train Telephone Facilities 144
S.E.R. Baoridand-Karonji Construction 445
Southern India Mineral Traffic 238
Southern Railways, Greater Capacity 643
Southern Railway, Madras Central Improvements 130
Survey 441
Three Tier Sleeping Cars... ... 588
Tokenless Block Working ...*682
Traffic Congestion and Doubling 583
Transit Delays 244
Tripura, Extension to 619
Wagon Loadings Record ... 676
Wagons 723
Wagons, Heavy-Capacity ...*733
W.R. Udaipur-Himmatnagar Line 130, 445
West of India Portuguese Railway 407, 496
World Bank Loan ... 526, 676

Industrial Welfare Society ... 462

Industry:—
Action, Not Words 94
Adex Exhibition, British Transport Advertising *550
Adhesive 545
Advertising Services Exhibition, B.T. Advertising 491
Aerosol-Packed Grease 258
Alcan Industries Limited, Sales Area Changed 722
Allenco Limited, Expansion ... 550
Aluminium-Backed Tape ... 749
Angle Cutter 714
Anglo-Tunisian Trade Agreement 146
Apprentice of the Year Awards... 95
Apprenticeships 260
Arborite Decorative Laminate, Distributors Appointed ... 350
Archdale James & Co. Ltd., Change of Address 350
Associated Commercial Vehicles Limited, Acquisition 179
Associated Commercial Vehicles Limited, Expanding Market ... 91
A.E.C. Limited, African Markets Tour 119
A.E.C. Limited, Orders for Products 322
Associated Electrical Industries Lamp & Lighting Co. Ltd., Price Changes 695
Associated Electrical Industries Ltd., Graduate Training ... 382
Associated Electrical Industries Limited, Malayan Ministers Visit *639
Associated Electrical Industries Limited, Queensland's Ministers Visit 695
Associated Electrical Industries Limited, Responsible for Glasgow Train Failures ... 118
Associated Electrical Industries (Rugby) Ltd. 47, 88
Associated Engineering Limited, Activities in Common Market Area 117
Automated Gear Production ...*348
Avon Indian Rubber Co. Ltd., Royal Visit 522
Beyer, Peacock & Co. Ltd., Report 466
Beyer Peacock (Hymek) Limited 554
Bird Repellent 688
Birlec Furnaces in Australia ... 378
Bolton Gate Co., Expansion ... 320
Bolton, Thomas & Sons, Ltd., Change of Address 462
Box Fastener 485
Brightside Engineering, Good Order Book 117
Britain's Trade, Changing Pattern of 493
B.E.A.M.A. ... 237, 298, 325, 642
B.I.C.C., Cables for Moscow Fair Supplied 580
B.I.C.C., Distributors for Fibre-Reinforced Resin Materials ... 351
B.I.C.C., Eastern Region Office... 178
B.I.C.C., Ipswich Branch ... 322
British Locomotive Industry Portrayed 150
British Oxygen Staff Training College 31
British Productivity Council Address 117
British Rototherm Co. Ltd., Additional Premises 146
British Thermostat Co. Ltd., Apprenticeship Awards ... 32
British Trade Fair, Moscow 1961 234, 610, 638
British Trade Fair Moscow, 1961, B.I.C.C. Supplies Cables ... 580

Industry:—(*contd.*)
British Trade Fair, Moscow, Formica Products 696
British Trade Fair, Moscow, Hawker Siddeley Industries Limited 379
British Trade Fair, Moscow, 1961, Telcon Metals Limited ... 407
British Trade Fair, Moscow, British Thermoplastics ... 282
B.T.C. Organisation for Research 176, 240, *391
B.T.C. Rolling Stock Exhibition at Marylebone 186, *547, 553, 554, *571, *604
Britool Limited, New Company... 322
Broken Delivery Promises ... 115
Budd Company, Technical Assistance for Mexican Company ... 322
C.A.V. Limited, Leo III Computer 296
Central African Trade Fair, "British Steel" 91
Cimex Exhibition *179
Clayton Equipment Co. Ltd., Orders & Contracts ... 525, 549
Cleaning Gun 484
Cold-Cure Silastomer Price Reduction 406
Colloidal Graphite Limited, Change of Address 462
Construction Equipment Exhibition 723
Contact Adhesives 372
Continuity Connector *227
Counter 485
Cover Strip 404
Craven Bros. (Manchester) Ltd., Concentrates Effort 263
Cravens Limited 739
Crofts (Engineers) Limited, Change of Address 722
Crompton Parkinson Limited, 1960 175
Curtiss-Wright/Ardleigh Engineering Agreement 666
Curtiss-Wright/Ardleigh Engineering Technical Evaluation Agreement 667
Dagenite New Depot 292
De-Greasing Fluid 200
Desoutter Bros. (Holdings) Ltd.... 550
Desoutter Price Reduction ... 321
Dewrance & Co. Ltd. 453
Diamond Drilling 379
Dorman, W. H., & Co. Ltd., Link with U.S. Group 178
Dorman Long & Co. Ltd., Products in Demand 179
Drawings Storage Cabinet ... 378
Drayton Controls Limited ... 668
Drum Storage *484
Dunlop Rubber Co, Ltd. Chemical Products Division Sales Reorganisation 206
Dunlop Rubber Co. Ltd., Depot at Southampton 578
Earth Leakage Circuit Breaker... 427
East Germany, British Trade With 579
Electrical Companies Pool Resources 551
Electrical Engineers (A.S.E.E.) Exhibition, Allen West & Co. Ltd. 322
Electrical Engineers Exhibition Battery D.P. Co. Ltd. ... 179
Electrical Engineers Exhibition B.I.C.C. Ltd. 320
Electrical Engineers Exhibition B.T.C. Signals and Communications 319, 354
Electrical Engineers Exhibition British Transport Exhibition ... 202
Electrical Engineers Exhibition, Large Moving Coil Meter ... 147
Electrical Engineers Exhibition Level-Crossing Barrier Display 259
Electrical Engineers Exhibition, Minister of State to Open ... 235
Electrical Engineers Exhibition Opening and Official Luncheon 317
Electrical Engineers Exhibition, Pritchett & Gold 147
Electrical Industry, Prices in ... 698
Electrical Industry's Initiative ... 237
Electrical Safeguards *257
Electronic Computer Exhibition 491
Electronic Weighing 545
Enfield Rolling Mills Limited ...*754
Engineering, Marine, Welding & Nuclear Energy Exhibition, A.R.O. Machinery Co. Ltd. . *458
Engineering, Marine, Welding & Nuclear Energy Exhibition, Atlas Copco (Great Britain) Limited 457
Engineering, Marine, Welding & Nuclear Energy Exhibition, Birfield Limited *457
Engineering, Marine, Welding & Nuclear Energy Exhibition, Bristol Siddeley Exhibits 323, 429
Engineering, Marine, Welding & Nuclear Energy Exhibition, British Ermeto Corporation Ltd. *458

Industry:—(*contd.*)
Engineering, Marine, Welding & Nuclear Energy Exhibition, British Oxygen Co. Ltd. ...*458
Engineering, Marine, Welding & Nuclear Energy Exhibition, British Rototherm Co. Ltd. ... 429
Engineering, Marine, Welding & Nuclear Energy Exhibition, Bryce, Berger Limited... ... 429
Engineering, Marine, Welding & Nuclear Energy Exhibition, C.A.V. Limited 322
Engineering, Marine, Welding & Nuclear Energy Exhibition, Chemical & Insulating Co. Ltd. 457
Engineering, Marine, Welding & Nuclear Energy Exhibition, Clayton Dewandre Co. Ltd. ... 457
Engineering, Marine, Welding & Nuclear Energy Exhibition, Cohen, George, 600 Group ... 350
Engineering, Marine, Welding & Nuclear Energy Exhibition, Crossley Bros. Ltd. 457
Engineering, Marine, Welding & Nuclear Energy Exhibition, Desoutter Group 322
Engineering, Marine, Welding & Nuclear Energy Exhibition, Dowty Companies ... 120, 322
Engineering, Marine, Welding & Nuclear Energy Exhibition, Dowty Rotol Limited 458
Engineering, Marine, Welding & Nuclear Energy Exhibition, Dunlop General Rubber Goods Division 458
Engineering, Marine, Welding & Nuclear Energy Exhibition, Dunlop Hose Division ... 458
Engineering, Marine, Welding & Nuclear Energy Exhibition, English Electric Co. Ltd. 322, 457
Engineering, Marine, Welding & Nuclear Energy Exhibition, E.N.V. Engineering Co. Ltd...*458
Engineering, Marine, Welding & Nuclear Energy Exhibition, Firth, Thos., & Brown, John, Limited 458
Engineering, Marine, Welding & Nuclear Energy Exhibition, Firth-Vickers Stainless Steel Ltd. 90
Engineering, Marine, Welding & Nuclear Energy Exhibition, Guest Keen & Nettlefolds (Midlands) Limited 270
Engineering, Marine, Welding & Nuclear Energy Exhibition, Hardfacing Technique ...*258
Engineering, Marine, Welding & Nuclear Energy Exhibition, Hibberd, F. C., & Co. Ltd. ... 429
Engineering, Marine, Welding & Nuclear Energy Exhibition Information Centre 406
Engineering, Marine, Welding & Nuclear Energy Exhibition, Keith, Blackman Limited ... 323
Engineering, Marine, Welding & Nuclear Energy Exhibition, Martonair Limited 295
Engineering, Marine, Welding & Nuclear Energy Exhibition, Osmond, A. & S. Ltd. ... 429
Engineering, Marine, Welding & Nuclear Energy Exhibition, Power Auxiliaries Limited ... 458
Engineering, Marine, Welding & Nuclear Energy Exhibition, Rozalex Limited 262
Engineering, Marine, Welding & Nuclear Energy Exhibition, Saunders Valve Co. Ltd. ...*458
Engineering, Marine, Welding & Nuclear Energy Exhibition, Shell Mex & B.P. Ltd. ... 116
Engineering, Marine, Welding & Nuclear Energy Exhibition, Simplifix Couplings Limited ...*458
Engineering, Marine, Welding & Nuclear Energy Exhibition, Ward, Thos. W., Ltd.... ... 322
English Electric Co. Ltd., 1960 25, 266, 291
English Electric Co. Ltd., New Plastics Division 63
English Steel Corporation Limited, Contracts 605
English Steel Corporation Limited, Sheffield Works 90
Evode Group 722
Exide Battery Factory in Australia 178
Export Council for Europe ... 66
Export Drive by Electrical Manufacturers 88, 93
Exporters, Government Aid for 581, 609
Exports Essential 66
Exports, Need for 409
Extruded Aluminium Grilles ... 600
F.B.I. Conference, "Invest in the Future" 162

Industry:—(*contd.*)
F.B.I. Delegation to South-East Asia 407
F.B.I. Delegation to Spain 146, 494
F.B.I. Industrial Film Festival at Turin 201
Ferodo Limited, Factory in North Wales 206
Field for British Enterprise ... 586
Filter Units *290
Firth Cleveland Group, New Offices 91
Flexible Couplings *485
Flow Indicator *85
Formica Limited Price Reduction 378
Gabriel & Co. Ltd., Change of Address 550
Generating Sets *660
German Industries Fair, M.A.N. 490
German Industries Fair, Morgan Crucible Group 379
Gloucester Railway Carriage & Wagon Co. Ltd., and Winget Ltd., Proposed Merger ... 91
Goodyear Pumps Limited, Sales and Services Division, Change of Address 606
Gravity Conveyors 600
Guest, Keen & Nettlefolds (South Wales) Limited, Contract ... 321
Hadfields Limited in Canada ... 146
Harvey, G. A., & Co. (London) Ltd. 751
Heavy-Duty Castor *689
Herbert, Alfred Limited, Applied Research Department 725, 751
Herbert, Alfred, Limited, Machine Tool Demonstration 724
Heyes & Co. Ltd., Price Adjustments 258
High Duty Alloys Limited, Change of Telephone Number 179
High-Pressure Hose 344
Hilger & Watts Limited 606
Holman Group Agency ... 61
Home Engineering, Increased Activities 493
How Railways Can Help Other Industries 374
Hunslet (Holdings) Limited Acquire Company... 640
Hydraulic Extrusion Press ... 519
I.C.I. Orders for British Transport Advertising 30
Indian Industries Fair, 1961 ... 53
International Exhibition of Mechanical Tools 261
International Exhibition of Mechanical Tools, Hymatic Engineering *322
International Industrial Finishes Exhibition ... 380, 551, 696
International Inventors' Exhibition 378
International Motor Show, Napier N.Z.G.R. Exhibits *560
International Plastics Exhibition and Convention, Bakelite Limited 755
International Plastics Exhibition and Convention, British Ermeto Corporation Limited 639
International Plastics Exhibition and Convention, Roberts, J. W., Limited 542
International Plastics Exhibition and Convention, Sixth, 490, 668, 723
International Plastics Exhibition and Convention, Wardle, Bernard, Everflex Limited 322
International Refrigeration Exhibition, Cape Insulation & Asbestos Products Limited ... 323
International Refrigeration Exhibition, Microcell Limited ... 378
Iron and Steel, Inland Transport 644
Iron and Steel Production, by Colvilles, Record 91
Jointing Compound 84
Joint Sealant 518
Kabi (Electrical & Plastics) Limited, Change of Telephone Number 435
Kenilworth Manufacturing Co. Ltd., Price Reduction 178
Kullen & Company, U.K. Representative... 91
Leipzig Fair Attracts British Firms 119
Leipzig Fair, British Tractors ... 235
Leipzig Fair English Steel Corporation 234
Leipzig Fair, Ransomes & Rapier Limited 407
Leyland Diesels, More Demand For 207
Liquid Oxygen Equipment ... 316
Lister, R. A., & Co. Ltd. Increased Sales 147
Locomotive Lifting Jacks ... 6
Locomotive Production 20, 60, 150, 355, 411, 418, *421, *480, 534, 554, *603, 741
Lubricating Equipment 606
Lumenated Ceilings Limited 293
McFadzean Laboratory 554, *596
Machine Tool Research 698
Magnetic Crack Detection ... 199

Industry:—(*contd.*)
Man-Cooler Fans... 343
Massey Ferguson Group Record Sales 178
Matchless Machines Limited, Distributors... 579
Materials Handling 326
Matterson Cranes for New Aluminium Foundry 119
Matterson Limited, Orders for Lifting Jacks 350
Mechanical Handling Exhibition 578
Metals Exhibition 323
Metropolitan - Cammell Carriage & Wagon Co. Ltd. 465, 526
Metropolitan - Vickers Electrical Co. Ltd. 741
Mexican Industrialists, Visit to Britain 433
Mond Nickel Co. Ltd., Change of Name 322
Morgan Crucible Co. Ltd. ... 522
National Industrial Production Show, Toronto, Morganite Exports Limited 491
Nationalised Industries 155, 204, 237, 381
Nationalised Industries White Paper 437, 467, 486, 522
New Engineering Company ... 179
New Equipment and Processes *23, *57, *84, *111, *141, *174, *199, *227, *257, *290, *315, *343, *372, *403, *427, *457, *484, *517, *545, *570, *600, *633, *659, *688, *714, *749
New Plastics Company Formed 146
North British Locomotive Co. Ltd. Centralisation 694
N.E.R. Arts & Crafts Exhibition at York 607
N.E.R. Civil Engineering Plant on Show 575, *661
Northey Rotary Compressors Limited, Factory Extension ... 579
Nothing Venture, Nothing Have 33
Nylon Tube 485
Packaging and Bottle-Handling 316
Pack-Cushioning Material ... 23
Paint Orders Increased ... 523
Peters, G. D., Acquisition by ... 262
Philips Limited Move to Glasgow 146
Pipeline from Thames to Mersey 323
Pipes and Fittings 546
Pit-Prop Attachment *257
Plastic Flooring 570
Plastic Lining 714
Plastics Reinforcements 112
Plessey Co. Ltd., Long Service Bonus 63
Plugs & Sockets 750
Point Plotter 343
Pollard Bearings Limited, Poster Campaign 551
Polypropylene Plastic 344
Portable Hardness Tester ... 174
Pritchett & Gold & E.P.S. Co. Ltd. 321
Protected Metal Sheeting... ... 57
P.V.C. Piping 750
P.V.C. Waterstop 485
Railway Modernisation Conference Exhibit *522, *551
Rand Show, 1961, British Railways Modernisation *431
Rand Show, 1961, Brush Electrical Engineering Company ...*430
Rand Show, 1961, Johannesburg *430
Rand Show, 1961, L.A.M.A./C.O.I. Exhibit 326, 410, *430
Report on the Census of Production for 1958 323
R.F.D. Co. Ltd., Factory Opened in Germany 147
Reynolds & Wilson Limited, Change of Address ... 350, 378
Rigid Polyurethane Foam ...*290
Rocol Molyspeed Products ... 320
Rolls-Royce Limited, Apprentice Training Centre *663
Rolls-Royce Limited in Australia 406
Ruston & Hornsby (Australia) Pty. Ltd., Order 406
Schuler Presses Limited ... 578
Scientific Equipment, Sharing of 410
Sectional Buildings 749
Self-Propelled Staging *689
Semiconductors, Prices of ... 490
Sharp & Law Limited 502
Sharp Control Gear and Electran Coil Combine 180
Shell-Mex Film 150, *178
Shutter-Release Agent 372
Siemens & General Electric Railway Signal Co. Ltd., Change of Name 63
Silicone Compound 428
Simms Motor Units Limited, Agreement with Bendix Corporation 91
Skefko Ball Bearing Co. Ltd., India 579
Skefco Ball Bearing Co. Ltd., Irvine, Ayrshire 755
Skefko Ball Bearing Co. Ltd., Window Display 207

Industry:—(*contd.*)
Small & Parkes Limited, Telex Installation 723
Smith, Thomas, & Sons (Rodley) Ltd., Overseas Sales Conference 724
Special Car/Sleeper Train for Salesmen 63
Special Purposes Vehicle... ... 232
Stable Government Policy Required 325
Steel Castings, Production of ... 373
Steel Group Headquarters ... 722
Steel, Less Home Demand ... 93
Steel, Output Increases ... 2
Steel, Peech & Tozer Limited, Contract 321
Steel Production by Dorman Long & Co. Ltd., Record ... 91
Steel Stock-Piles May Fall ... 438
Steel Workers on Four-Day Week 31
Stephenson, Robert, & Hawthorns Limited 266, 291
Stone, J., & Co. (Deptford) Ltd., Progress 642
Structural Steelwork, Protection of 184
Sulzer Bros. Ltd., Diesel Output Figures 550
Superheater Co. Ltd., Jubilee ... 3
Symbol Printer 750
Synthetic Material 750
Tachometer Tester *290
Thickness Gauge *546
Torshear Pneumatic and Hand Tools *79
Trade Mission to Iraq 178
Transport Equipment (Thornycroft) Purchase by A.C.V. ... 206
Trint Motor Traction Co. Ltd., A.G.M. 407
Turner & Newall, Limited, Take Over Bid 146, 147
Turner & Newall Limited to Acquire Stillite Products 147
United Kingdom - East Germany Trade Arrangement 294
Upholstery Material 601
Upholstery Shampoo 428
Vac-U-Lift (Great Britain) Limited, Agents 147
Valve Voltmeter 343
Van-Mounted Compressor ...*750
Ventilators... 546
Versatile Material *623
Versatile Office Block *141
Visit to Canada and U.S.A., by Sir Lionel Kearns 522
Vulcan Foundry Limited 266, 291
Vulcan Foundry Receives Russian Delegation *351
Warerite Sheets Larger 407
Water Bar 688
Western Australian Railways, What a Railway Buys 642, 726
Westinghouse Brake & Signal Co. Ltd. 54, 739
Westinghouse Brake & Signal Co. Ltd., Holiday Training Course 234
Westinghouse Brake & Signal Co. Ltd., Lecture to Southern Motormen 146
Westinghouse Brake & Signal Co. Ltd., New Transistors ... 323
Westinghouse Brake & Signal Co. Ltd., Record Signal Installations 203
Wolf Electric Tools Limited, Branch at Newcastle 234
Wood and Plastic Panelling ... 656
Work Study and Motive Power... 439

Inland Transport Committee of the International Labour Organisation, Geneva 494, 636

International Bank for Reconstruction and Development:—
International Railway Loans ... 329

International Federation of Travel Agencies, Meeting with U.I.C. 549
International Light Metals Conference 119
International Union of Public Transport Congress 528

International Union of Railways:—
Board of Management 5, 22, *26, 373, 438
Coach Heating and Air-Conditioning 239
Commercial Sub-Committee Meetings 373
Nineteenth General Assembly 5, *26
Public Relations Drive 238
Research Work... 163, 212, 239, 356
U.I.C./F.I.A.V., Meeting ... 549

Iraq::—
Trade Mission 178

Iraqi Railways:—
Contracts, Orders and Tenders 62, 89, 145, 205, 489, 577, 637, 666
Soviet Aid for Line Construction 189

Iranian Railways:—
Contracts, Orders and Tenders 261
Main-Line Resignalling 360

Iron and Steel:—
See Steel

Isle of Man Railway Company Meeting 379

Israeli Railways:—
New Line Under Consideration 304
Railway Development 389
Railways Turn Loss into Profit 618

Italian Railways:—
Four-Car Luxury Trains ...*164
Greece by Car/Sleeper 151
Passenger Line, Re-opening of ... 272
Rail Charges Higher? 588
Reorganisation 671
Simplon Main Line Doubling ... 73
Steam Haulage, Abolition in South 130
Strike Action 9
Summer Train Services 700
"Train-Auto" Service 9
Vitória-Minas Railway, Carrying Iron Ore *424

J

Jamaica Railways:—
Contracts, Orders and Tenders ... 29

Japan:—
Anglo-Japanese Trade Arrangement 523
Tokyo Underground Cars 509, *514

Japanese Railways:—
Achievements 34
Diesel-Hydraulic Trains 3, *10, 355
Research 122, 152
Wind-Tunnel Research 152
World Bank Loan 526

Jugoslav Railways:—
Development Loan 41

K

Korea:—
Contracts, Orders and Tenders 261, 461

L

Labour:—
B.R. Colour Bar on Railways ... 752
Victorian Railways Labour Dispute Settlement ... 560, 673
Victorian Railways Recruits ... 354

Legal:—
Mailbag Thieves Imprisoned ... 118

Letters to the Editor:—
Air Competition with the Railways 470
"All Change" 214
All-Region Timetable 330
American Diesel Traction ... 387
American Railroad Position 6, 186, 414
Boiler Water Treatment 186
Bouquet From America ... 270
British Railways Assessed 70, 128
British Railways Diesel Traction 616
British Railways Motive Power 154, 214, 302, 386
British Railways Services ... 38
Check on Railway Expenditure 70
Commuter Traffic ... 214, 302
Comparative Locomotive Performances 330
Concrete Sleepers 98
Development of the Persian Railways 6
Diesel and Electric Traction ... 647
Early Timetables 414
Edward Pickering, Contractor ... 615
Engineers' Guild, The 498
Even-Interval Timetables ... 730
Expenditure on Railways and Roads 69
Expresses to the Orient 729
Field for British Enterprise, A. ... 586
Five-Car Diesel Trains 442
French Summer Train Services 557
Future of the Railways 5, 38, 242
Future Policy for British Railways Passenger Services ... 557
Glasgow Electric Trains ... 127, 154
High-Power Electric Locomotives 214
High-Voltage Locomotives 186, 615
Ineffective Railway Motor Power 674, 730
Inter-Regional Passenger Services 214, 270
Locomotive Exhibition at Marylebone 186
Locomotive Lifting Jacks ... 6
Making Use of Uneconomic Lines 730
Marples Regime 648

Letters to the Editor:—(*contd.*)
Melbourne-Sydney Express Services 38
Money and Energy Wasted 242, 330
New York Central Railroad ... 530
Northey Exhausters 530
Obtaining a Smooth-Running Bogie 242
Posters as Propaganda 701
Preservation of Wood ... 386, *407
Prestressed Concrete Sleepers ... 302
Problems of Freight Train Traffic 729
Purchasing in Nationalised Industries 154
Rail Transport to London Airport ... 270, 385, 498, 586, 647
Railway Conversion 127
Railway Salaries 385
Railways Into Roads 270, 386, 442, 530, 586, 615, 647, 674, 702
Railway Superannuitants ... 615
Return to the Attack 97
Riding Qualities of Passenger Vehicles ... 70, 414, 498
Royal Albert Bridge 387
Rubber Suspension *616
Shape of Things to Come? The 702
Steel Castings versus Fabrications 532
Track Capacity 386
Transformer Troubles 6
Transport Expenditure 128
Transport Users Consultative Committees 415, 470
Uncolourful South 154
Unfair to British Railways 358, 470
Vertical Curves 186
W.D. Locomotives 729
Why Boat Trains? 701
Winning Back Railway Passengers 415, 531
World Bank Finance 674

Level Crossings:—
Automatic Level Crossing Barrier 150, 175, 235, *479
Level-Crossing Barrier Display 259
New Zealand Railways 473
N.E.R. Level Crossing Eliminated 491
N.E.R. Lifting Barriers 739
Polish Railways, Collision at Level Crossing 130
Scottish Region, Lifting Barriers 90, *379
Unmanned Railway Crossings... 317
Victorian Railways 417
Walkie-Talkie Link Speeds Traffic 638
W.R. Lifting Barrier Installation 59

Lighting:—
Lighting in Marshalling Yards... 566

Light Railways:—
Bluebell Line Reopened 462
Egyptian Delta Light Railways 204
Festiniog Railway in 1960 ... 90
Festiniog Railway's Locomotive Re-named 491
Ravenglass & Eskdale Railway 491
Talyllyn Railway Progress ... 611

Locomotive Club:—
E.R. Welwyn-Hertford Special 718

Locomotive Engineering:—
Air-Intake Louvres *749
Cooling Equipment on Diesels... 328
Hydro-Mechanical Transmissions for Dual Purpose Locomotives 411, *421, 530
Level Gauge *112
Magnet Valve *715
Use of Refractory Concretes ...*248

Locomotive Engineers, Institution of:—
Change of Address 622
General Meeting 206
Golden Jubilee 122, 206, 328, 522, 527, 535, 553, 554, *571
Meetings 68, 147, 239, 439
President 725
Special Train 551
Visit to Sentinel Works 663

Locomotive Production:—
British Locomotive Industry Portrayed 150
Diesel Hydraulic Locomotives for South Africa *480
Diesel Locomotives, Derby-Built 355
Diesel Locomotives for C.I.E. ...20, 60
Hydro-Mechanical Transmissions for Dual-Purpose Locomotives 411, *421
Hymek Locomotives for W.R. 554, *603
New Locomotives for Columbian Railways 534
New Locomotives S.A.R. 418, 741

Locomotives, Classes and Types:—
B.R. A.C. High-Voltage Locomotives ... 47, *50, 118, 186
B.R. Deltic Diesel on Trial ...*475
B.R. Diesel-Electric Locomotives, Type 3 698
B.R. Sulzer Engine, 300th ...*435

Locomotives, Classes and Types:—(contd.)
Diesel-Hydraulic Locomotive M.D.650 12-Cylinder *722
E.A.R. & Harbours Beyer-Garratt Locomotive "58" Class ...*537
E.A.R. & Harbours, Diesel-Electric Locomotive Class "90" Altitude Test 192
Electronic Locomotive 281
English Electric Gas-Turbine Locomotive 59, *90
French Railways Diesel Traction 16-Cylinder Vee Engine ... 578
French Railways, Multi-System Locomotive Prototype ... 630
L.M.R. English Electric 25-kV. 50-Cycle Locomotive *510
Pakistan, North Western Railway, Diesel Locomotive No. 2012 *379
Simplex Locomotive *601
S.A.R. Class "SE1" 3,000-V. D.C Locomotives 741
S.A.R. Diesel-Electric Locomotives 418
S.A.R. Diesel-Hydraulic 0-6-0 Locomotives *480
S.A.R. Rolling Stock Augmented 704
Swiss Railways, Bo-Bo Standard Class 150, 167
U.S.S.R. Co-Co Diesel-Electric Locomotive 3,000-h.p. ...*131
U.S.S.R. Locomotive 2-6-2 Class "S" 500
U.S.A. Railways, Locomotives in Service 100
Victorian Railways, Diesel-Electric Locomotives "B" Class 1,500-h.p. 619
Victorian Railways "S" Class Locomotives 444
Victorian Railways, "T" Class Diesel-Electric Locomotives ... 676
Victorian Railways, "W" Class Diesel-Hydraulic Shunting Locomotive 707
W.R. Diesel-Hydraulic Locomotives Type "3" 1,700-h.p. ... 554
W.R. Diesel-Hydraulic Locomotives, Type "4" *138

Locomotive Shops:—
Motive Power Units and Rolling Stock 176

Locomotives: Miscellaneous:—
B.R. Diesel Traction 616
B.R. Steam Locomotives, More to be Preserved 201
"Caerphilly Castle" Honourable Retirement ... 641, *664, *675
Comparative Locomotive Performances 330
E.R., L.T. & S. Last Locomotive Withdrawn 388
E.R. Queen's Train, Delay To ... 65
E.R. Runaway Engine 722
High-Voltage Locomotive's ... 615
"Locomotive of the Future, The" 527
Locomotive Exhibition at Marylebone 186
Rhodesia Railways, Locomotive Availability 411
W.D. Locomotives 729

Locomotive Working:—
B.R. Ineffective Railway Motor Power 614, 674, 730
Railway Running Sheds 488
Testing Lubricating Oils... ... 382
Use of Refractory Concretes ...*248
W.R. Servicing Diesel Fuel Injection Equipment *474

London's "Easter Princess" ... 262

Luxembourg Railways
Steam Working *99

M

Machines and Machine Tools:—
Air compressor 715
Austrian Railways, Palletisation 156
Automated Gear Production ... 348
Automatic Diffuser 570
Automatic Profile Polishing ... 316
Automatic Spraying *484
Axial Piston Motor or Pump Units *404
Boring Head *344
Breakdown Crane, 150-ton ...*749
B.R. Food-Vending Machines ... 433
Chain & Chisel Mortizer ... *23
Cutting-Off Machine 659
Dehumidifier 427
Dumper-Trailer *715
Earth Borer *570
Eccentric-Driven Press *428
Floor Cleaning Machine ...*546
Fork-Lift Truck Demonstration *723
Fork-Lift Trucks *111, *660
Gear Honing 404
Gear Shaving Machine ...*174
Grinding Machines *600
Heavy-Duty Presses *689

Machines and Machine Tools:—(contd.)
Herbert Alfred Limited, Centre for Machine Tool Research 725, 751
High-Speed Derricking Unit ... 316
Hydraulic Bench Press *428
Hydraulic Pipe Bender *316
Industrial File *112
Industrial Truck *688
Locomotive Lifting Jacks ... 6
Lorry-Mounted Crane *427
Machine Tool Demonstration ... 724
Machine Tool Research 698
Mammoth Rail Press 20
Matterson Cranes for New Aluminium Foundry 119
Mechanical Handling of Freight 231
Mobile Cranes 343
MR-1 Sleeper, Casting by Automation 735
Müir - Hill - Camill Articulated Dumper *376
New Zealand Railways, Mechanised Office Equipment... ...*740
N.E.R. Civil Engineering Plant on Show 575, *661
Nozzle Cleaner *518
Pipe Calculator 404
Pit-Prop Attachment *257
Planer-Table Machine *403
Portable Bandsaw *427
Portable Compressors *84
Profiling by Tape Control ... 227
Rail Crane *141
Rail-Drilling Machine *659
Rail Joint Bolting Machine ...*200
Revolt of the Machine 187
Shaft Seals 344
Sheet Saw 403
Site Shotblasting *545
Spike Driving Machine *634
Spot-Weld Remover *84
Spray Booth 689
Sump Pump 344
Torque-Controlled *174
Torshear Pneumatic and Hand Tools *78
Tractor Shovels *634
Tube Bender *689
Tube Cutting by Machine ... 407
Tube Profiler *715
Tyre Profiling Machine *57
W.R. Servicing Diesel Fuel Injection Equipment 474

Malaya:—
Minister of Transport to Visit Britain ... 526, *604, 609, *639
Penang Hill, Funicular Railway *705

Malayan Railways:—
Annual Report 413
Contracts, Orders and Tenders... 62
Diesel Railway Traction... ... 268

Management, British Institute of:—
Conference 550
Operational Research Conference 582, 604
Overseas Conference 410
"Public Relations in Marketing" 492

Management Development 412

Mansion House Association on Transport:—
Annual Luncheon 351
Chairman 466, 483

Maps:—
Barcelona Underground Railway System 168
E.R. Sheffield Area 309
French Railways Map 607
Indian Railways 699
L.M.R. West Midlands Publicity 755
London Transport, Country Bus Route 608
London Transport, Underground Map for Trains, New Style... 406
S.R. Kent Coast Electrification... 627
Victorian Railways, Automatic Signalling 419
Western Australian Railways ... 684
W.R. Plymouth 43
W.R. Wiveliscombe Slip ... 252

Marshalling Yards:—
See Stations

Materials Handlings, Institute of
Second International Conference 326

Mechanical Engineers, Institution of:—
London 311

Metropolitan Railways and Fares Structures 528

Mexican Railways:—
Concrete Sleepers 326

Mexico:—
Industrialists Visit to Britain ... 433

Military Transport:—
A.E.R. Reunion Dinner 259

Ministry of Transport:—
Accidents, Reports 65, 86, 94, *113, 210, *228, 582, 602, 670, 690, 698, 716
Bradshaw's; No Alternative ... 520
B.T.C. Re-organisation 345
Channel Tunnel 520
Coastal Shipping and Internal Transport 317
"C" Licences, Greater Powers... 210
Colour Bar on Railways... ... 752
E.R. Pitsea Rail Crash 488
Electric Multiple Unit Failures Report 698, 716
Fares Discrepancy 149
Fencing of Electrified Lines ... 520
Freight Rates Inquiry 293
Mail Security on Trains 520
Malayan Minister to Visit Britain 526
Manufacture of Rolling Stock ... 405
Manufacturers Meet Minister ... 579
Marples Regime 648
Marylebone-Sheffield Line ... 375
Ministerial View of Transport 181, 201
Ministers Tour of London Stations 293
Minister's View of Railway Problems 554
Paradoxical Situation 582
People Who Care About Railways 149
Queensland Minister of Transport's Visit 553
Rail Facilities, Curtailment of... 204
Rail Track into Road, Conversion of 375
Railway Assets 204
Railway Boards 176, 209, 297, 353
Railway Development in Wales 293
Railways and Roads, Expenditure on 69
Railways as "Social Service"... 607
Railways Power to Operate Pipelines 375
Railways Study Group 575
Railway Workshop 176
Regional Accounts 575
Reward of Effort 325
Rolling Stock, Signals and Lines 575
Scottish Region, Glasgow Suburban Electric Trains Inquiry 2, 24, 65, 86
Select Committee's Findings, Comment on ... 467, 486, 522
Sunday Rail Fare 459
Traffic Assessment Staff... ... 575
Uneconomic Services 375
Unfair to British Railways 358, 470
Unmanned Railway Crossings... 317
Victoria Line, Estimated Cost ... 752
Victorian Line Project ... 293, 520
Weed Sprays on Railways ... 459

Monmouthshire Railways & Docks:—
Lecture & Debating Society ... 301

Monorail:—
U.S.A. Mass-Transit Passenger Mono-Rail 188

Moroccan Railways:—
Fast Service Scheduled 304

Mozambique Railways:—
Port and Railway Improvements 704

N

National Coal Board Opencast Executive Contract 433
National Council for Omnibus Industry 432, 636

Nationalisation:—
Nationalised Industries ... 154, 237
Nationalised Industries, Investment in 204, 381
Nationalised Industries White Paper 437, 467, 486, 522

National Joint Council for the Omnibus Industry Meeting ... 348

National Union of General and Municipal Workers:—
Provincial Bus Workers ... 432

National Union of Manufacturers, Railways as Social Service ... 607

N.U.R.:—
Glasses for Men on Footplate ... 668
Pay Claim 28, 144, 204, 548
Shorter Working Week, Claim 28, 116, 232, 465, 488, 603, 636, 693, 752

Netherlands Railways:—
Annual Report, 1960 726
Diesel Trains 279
International Goods Transport ... 417
Revenue in 1960 189
Summer Timetable 673
Train Services Increased ... 273

New Equipment and Processes:—
*23, *57, *84, *111, *141, *174, *199, *227, *257, *290, *315, *343, *372, *403, *427, *457, *484, *517, *545, *570, *600, *633, *659, *688, *714, *749

New South Wales:—
Sleepers for Pakistan 619

New South Wales Railways:—
Annual Report 357
Bogie Livestock Wagons... ... 472
Diesel Trains, New Bogies for ... 188
Melbourne - Sydney Express in Collision 650
Melbourne - Sydney Express Services 38
Stainless Steel Multiple-Unit Stock 389
Sydney, Eastern Suburban Line... 472
Wages Increase Dispute 589

New Year Honours:—
2, 22, 56

New Zealand:—
Travel Centre *508

New Zealand Railways:—
Assistance from Railway Unions 272
Bulk Cement Traffic 72
Christchurch Station Reconstruction *129,*135
Construction Halted 8
Diesel Traction 130
Exhibits *560
First Railway 675
Holiday Travel 156
Japanese Mission 473
Level Crossings 473
Losses Reduced 670
Mechanical Equipment for Track Work *711
Mechanised Office Equipment ...*740
Ministerial Views on Railways ... 390
New Line Proposed, £10 Million 588
Night Shift Pay and Conditions, Enquiry 732
Passenger Traffic Improved ... 390
Road-Rail Deviation 732
"Scenic Daylight" Express ...*472
Station Construction *444
Steel Highside Wagon *588
Wagons, New Class 472
Wagons, Shortage of ... 244, 618
Wellington-Picton Ferry ... 704
Year's Results 650
"Ye" Class Ballast Hopper Wagon *732

Nigeria:—
Small Diesel Locomotives for Industry *105

Nigerian Railways:—
Elias Report 37
Maiduguri Extension Progress ... 40
Port Harcourt Sidings *620
Report, 1959-60 468
North Eastern Railway Association 31

Northern Ireland:—
Belfast Refreshment Facilities ... 363
Reducing Capital Liability ... 297
Ulster Transport Authority Publicity *320
Ulster Transport Authority Report 240, 263

Norwegian Railways:—
Suburban Electrification, Completion of 304

P

Pakistan:—
Transport Merger 13

Pakistan Railways:—
Contracts Orders and Tenders 29, 117, 145, 177, 205, 233, 261, 294, 349, 406, 433, 461, 489, 521, 549, 576, 637, 666, 753
Indian and Pakistan Reunion ... 637
North Western Railway, Diesel Locomotive No. 2012 ... ...*379
Railway Centenaries ... 473, 529
Railway Loans $8½ million 473, 619
United Kingdom Loan 72

Paraguay:—
Rail Offer 438

Parliamentary:—
Apprenticeship 260
Baschurch Railway Crash ... 259
B.T.C. Bill 293
British Transport Commission Re-organisation 345
British Transport Docks ... 459
Building Sites Over Goods Yards and Sidings 347
Channel Tunnel 459
East and Central Africa, Anxiety of Railway Staffs 575
E.R. Pitsea Derailment 488

Parliamentary:—(contd.)
Electrification Expenditure ... 61
Export Credit for Railway Projects 459
Forthcoming Questions of Railways 60
Great Central Line, Future of ... 520
Implementing Railway Report ... 61
Late Train Complaints 318
Loading and Unloading of Mail Trains 405
M.P.'s Thanks to Sir Brian Robertson 664
More Underground Lines Needed 293
New Stations, Fares and Pensions 60
Parliamentary Notes 28, 60, 142, 232, 260, 293, 318, 345, 375, 459, 488, 520, 548, 575, 664
Pipeline Bill, Call for Changes 122, 548
Questions in Parliament 61, 176, 204, 232, 259, 293, 317, 347, 375, 405, 459, 488, 520, 575, 604, 664, 719, 752
Rail Services for Airports ... 260
Railway (Carriage of Mail) Bill 520
Railway Plan, Reactions to 1, 28
Railways' Problems for the Electrical Industry 374
Scottish Point of View 318
Season Tickets, Cost of 259
Secretary's Reply 318
Tenders for Railways in East Africa 664
Transport 67, 318
U.S. Motive Power on Railways... 405

Passengers:—
B.R. "Book a Car from Your Train" Service 639
Coach Heating and Air-Conditioning 239
E.R. Car Sleeper Service... 77, 298, *318, 319
Hungarian Railways, Passengers Increase in 41
Italian Railways, "Train-Auto" Service 9
London Transport, Lost Property Charges 30
London Transport, Push-Chair Service 550
N.E.R. Buffet Cars for Multiple-Unit Diesel Railcars *277
Scottish Region Glasgow Fair, Seat Reservation 522
S.R. Car Tourist Train 326
S.R. Track Capacity 386
U.S.A. Railways, Commuter Traffic 214, 302
Western Australian Railways, Passenger Amenities 684
Western Australian Railways, Passengers' Film Shows ... 444
Western Germany, Electronic Seat Reservation 9

Patents:—
Delay in Marketing Patents ... 582

"People Who Care About Railways" 149

Permanent Way:—
Alaska, Outlay on Improvements 332
Angola, Benguela to Carry Ore to Lobito 732
Angola, Rail Development ... 418
Argentine Railways, Southern Transandine Line 40
Brazilian Railways, New Equipment and Works 244
Brazilian Railways, Progress with Improvements 216
B.R. Heavy-Duty Rail Clips 382, *395, 433, 439
B.R. Riding Qualities of Passenger Vehicles 70, 414, 498
B.R. Track Surfacing by Welding 699
B.R. Uneconomic Lines, Making Use of 730
B.R. Weed Sprays on Railways 459, *517
Canadian Railways, C.P.R. Breaches in British Columbia... 500
Canadian Railways, C.P.R. Breaches in British Columbia... 500
Canadian Railway, Mineral Line Completed 41
Concrete Sleepers ... 98, 302
Danish Railways, Copenhagen, More Suburban Lines ... 588
E.A.R. and Harbours, £1,500,000 Appropriation for Re-Laying... 618
E.A.R. & Harbours, New Works Programme 473
E.A.R. & Harbours, Tanganyika New Line 560, 618
E.A.R. & Harbours, Uganda Engineering Works 495
E.R., Colchester Modernisation *321, 635, *651
E.R. Modernisation *677
Finnish Railways, Re-Railing ... 472
Germany, Railway Sleeper ... 522
Hardening Points and Crossings by Explosives *80

Permanent Way:—(contd.)
Hungarian Railways, Concrete Railway Sleepers 472
Hungarian Railways, Long-Welded Rail Laying Progress ... 618
Indian Railways, Baoridand-Karonji Construction ... 445
Indian Railways, Bhopal-Bina Doubling 40, 588
Indian Railways, Bihar Gauge Conversion 588
Indian Railways, Bombay, Baroda & Central India Railway, Underwater Interlocking ... 398
Indian Railways, Kashmir, Proposed New Link 72
Indian Railways, Khandwa-Hingoli Construction Features ... 467
Indian Railways, New Lines Under Construction 619
Indian Railways, Planned Development 611
Indian Railways, Ranchi, Broad-Gauge, Access to 216
Indian Railways, Traffic Congestion and Doubling... ... 583
Indian Railways, Tripura Extension 619
Indian Railways, Udaipur-Himmatnagar Line ... 130, 445
Israeli Railways, New Line Under Consideration 304
Italian Railways, Simplon Main-Line Doubling 73
Jacking a 10 ft. dia. Concrete Pipe for Storm Drain *706
Loading of Light Rails ... 35
L.M.R. Crewe-Liverpool Section Re-signalling 466, *476
Mexican Railways, Concrete Sleepers 326
New South Wales, Sleepers for Pakistan 619
New Zealand Railways, Mechanical Equipment for Track Work *711
New Zealand Railways, New Line Proposed, £10 Million... ... 588
New Zealand Railways Road-Rail Deviation 732
Nigerian Railways, Maiduguri Extension Progress 40
N.E.R. Civil Engineering Plant on Show 575, *661
N.E.R. Modernisation and the Permanent Way ... 438, *450
N.E.R. Permanent Way Works, Mechanisation of *333
N.E.R. Weed Spraying ... 259
Philippines, Nueva Ecija-Cagayan Extension 475
Pluvex Used to Repair Landslide 523
Portuguese Railways, Removing a Bottleneck 238
Portuguese West Africa, Benguela Railway, New Branch Line ... 502
Queensland Railways, Mount Isa Reconstruction ... 188, 389
Queensland Railways, Rail Problem 636
Radar Fault Locator *404
Rail Joint Bolting Machine ...*200
S.A.R. Durban Project, Progress on 72
S.A.R., Gauge Conversion 642,*676
South Durham Steel & Iron Co. Ltd., Improved Railing to South Works 582
Swiss Railways, Gotthard Line ... 411
Swiss Railways, Lotschberg Line Doubling 732
Switch Heater *199
Track Maintenance Exhibition... 260
Trackwork Engineering 644
U.S.A. MR-1 Prestressed Sleeper 727, 735
U.S.A. Railways, Norfolk and Western Railway Underwater Interlocking *398
Vertical Curves 186
Victorian Railways, Long Welded Rails 130
Victorian Railways, Standard-Gauge Construction 188
Victorian Railways, Suburban ine Doubling 560
Weed-Control Convention .. 407
Western Australian Railways, Great Southern Railway, Rehabilitation 156
Western Australian Railways, Standard-Gauge Construction 182, 368, 390

Permanent Way Institution:—
Convention ... 575, 610, 723
Conversazione 175
Meeting 147

Persian Railways:—
Development 6
Last of the Oldest Railway ...*243

Petroleum, Institute of:—
Symposium 3

Philippines:—
Contracts, Orders and Tenders 117, 261, 406, 521, 549
Flat Car Order, Increase In ... 650
Nueva Ecija-Cagayan Valley Extension 473

Pickering, Edward, Contractor ... 615

Planning:—
Argentine Railways Rehabilitation Plan 613
Burma Railways Modernisation 182
Chilean Railways, Ten-Year Development Plan 332
E.A.R. and Harbours, Nairobi Mechanical Workshop Progress 650, *653
Eire, C.I.E. Maintenance Planning and Control 494
Indian Railways, Planned Development 611
N.E.R. Co-ordinated Development 182, *190
Portuguese Railways 238
Railway Plan, Reactions to 1, 28

Polish Railways:—
Collision at Level Crossing ... 130
Rolling-Stock Exports 610

Ports:—
See Docks, Harbours

Portuguese East Africa:—
Contracts, Orders and Tenders 89, 177, 205, 576, 637, 664

Portuguese Railways:—
Estoril Electric Railway, Modernisation *254
Maria Pia Bridge ... 238, 115

Portuguese West Africa:—
Benguela Railway, New Branch Line 502

Posters:—
See Publicity

Post Office:—
Loading and Unloading of Mail Trains 405
Mailbags on Railways 232
Mail Security on Trains 520
Railways (Carriage of Mail) Bill 520

Press and Transport 209
Provident Mutual Life Assurance Bonus 378

Publicity:—
Action, Not Words 94
Adex Exhibition at Brighton ...*550
Advertising Services Exhibition 491
British Petroleum Co. Ltd., Two New, Films About Lubrication 337
B.R. Electrification Conference... 265
B.R. Publicity *119, *235, *323, *551, 579, *606, *667, *722, *754
B.R. Staff Recruitment ... *30
British Trade Fair, Moscow, 1961 234, 282, 379, 407, 580, 610, 638, 696
B.T. Advertisement Award ...*349
B.T. Advertising 409, 520, *639
B.T. Advertising, I.C.I. Orders ... 30
B.T. Advertising, Increased Income 607
B.T. Advertising, Quo Vadis? ... 2
B.T. Advertising, Rentals Changes ...378, 394
B.T. Advertising, Roadside Sites at Ilford *31
B.T. Advertising Sites 490
B.T.C. Exhibition, New Architecture in Transport 755
B.T.C. Rolling Stock Exhibition at Marylebone, 186, *547, 553 554, *571, *604
British Transport Waterways Pleasure Craft Display ... 295
Canadian Railways, C.N.R.'s New Look 150, *179
Central African Trade Fair ... 91
C.I.C.E. Information Bulletin ... 438
Cimex Exhibition *179
Construction Equipment Exhibition 723
E.A.R. and Harbours Exhibition "Training Today for Tomorrow" *755
E.R. Harwich-Hook of Holland Advertising 118
Electrical Engineers Exhibition 147, 179, 202, 235, 259, 317, 319, 320, 322, 354
Electronic Computer Exhibition 491
Engineering, Marine, Welding & Nuclear Energy Exhibition 90, 116, 120, 258, 262, 270, 295, 322, 323, 350, 406, 429, *457
European Railways Information and Publicity 231, 574
Fork-Lift Truck Demonstration *723
German Industries Fair ... 379, 490
Hawker Siddeley Group Publications 379

Publicity:—(contd.)
Herbert, Alfred, Limited, Machine Tool Demonstration 724
Indian Industries Fair, 1961 ... 53
Industrial Finishes Exhibition ... 696
International Exhibition of Mechanical Tools ... 260, *322
International Industrial Finishes Exhibition 380, 551
International Inventors' Exhibition 378
International Motor Show, Napier N.Z.G.R. Exhibits *560
International Plastics Exhibition & Convention 322, 350, 490, 524, 639, 668, 723, 755
International Refrigeration Exhibition 323, 378
Leipzig Spring Fair 119, 234, 235, 407
L.M.R. West Midlands Publicity 755
London Transport Poster ...*460
Mechanical Handling Exhibition 578
Metals Exhibition 323
National Industrial Production Show, Toronto 491
N.E.R. Arts & Crafts Exhibition at York 607
N.E.R. Civil Engineering Plant on Show 575, *661
N.E.R. Modernisation Exhibition 320, *351
N.E.R. Open Forum at Harrogate 122
N.E.R. "Roadrailer" on Show at Newcastle 459
N.E.R. Selling Railway Transport 210
N.E.R. Tourist Facilities Improved *203
Northern Ireland, U.T.A. Publicity *320
Overseas Trade Fairs 265
Pollard Bearings Limited, Poster Campaign 551
Posters as Propaganda ... 697, 701
Railway Modernisation Conference Exhibition... ... *522, *551
Rand Show, 1961, Johannesburg 326, 410, *430
Roadrailer, Further Tour ... 95
Scottish Region, Showroom on Rails 118
Skefko Ball Bearing Co. Ltd., Window Display *207
S.R. Crowded Trains 210
S.R. News Sheet 122
Stainless Steel Exhibition ... 322
Television Train on Exhibition ...*202
U.I.C. Public Relations Drive ... 238
Victorian Railways "Harris Trains", Advertising On ... 444
West European Railway Administration Publicity Managers, Meeting 723
Western Australian Railways Exhibition, Vehicle 188
W.R. Exhibition at Paddington... 610
W.R. Publicity ... *235, *323 *460
W.R. Westward Television Limited Exhibition Train 119, *202, 262

Q

Queen's Birthday Honours List 669, 686
Queen's Train, Delay to 65

Queensland:—
Steam, Diesel—or Hovercraft?... 553

Queensland Railways:—
Branch Lines to be Closed ... 444
Burdekin Bridge Construction 100, 233
Contracts, Orders and Tenders 110, 117, 233
Mount Isa Line Reconstruction 188, 389, 554
Ninth Air-Conditioned Express Train 390
Rail Problem 636
Report, 1959-60 269
Transport Minister's Visit to London 490, 553, 609, 636, 674, *695
World Bank Finance 674

R

Radio Communication:—
Canadian Railways, C.N.R., Moncton, New Hump Yard ... 210, *222
French Railways, Presentation 755
Harmonic Analyser *141
Mobile Radiotelephone 343
U.S.A. Railways, Atchison, Topeka & Santa Fé, 2,600 miles of Microwave 732
Victorian Railways, Radio Telephones 439
W.R. Paddington, Closed Circuit Television 755

Railcars:—
Argentine Railways, Fiat Railcars 500
N.E.R. Buffet Cars for Multiple-Unit Diesel Railcars *277

Railcars:—(*contd.*)
U.S.A. Railways, New Haven Railroad Transistorised Control of Commuter - Type Railcars *746

Railway Benevolent Institution: 178, 262, 350, 523, 606

Railway Correspondence & Travel Society
Vale of Belvoir Tour 263
Visit to Swindon 263

Railway Development Association Midland Area, A.G.M. 434
Railway Enthusiasts' Club Tour 179, 695

Railway Gazette:—
Bouquet from America 270

Railway Modernisation Conference 35, 495, 503, *522, *551
Railway Preservation Society ... 490
Railway Queen ... 638, 723, 724

Railway Shopmen's National Council:—
Shorter Working Week, Claims for 116, 232, 752

Railways, Specialised Role of ... 96

Railway Staff National Council:—
Shorter Rail Hours Bid 28, 232, 465, 488, 636, 693

Railway Staff National Tribunal:—
New Chairman 259

Railway Students' Association:—
Annual Dinner 466
London School of Economics and Political Science 329
Meeting 211
Visit to L.M.R. 30

Railway Superannuitants 121, 176, 556, 615, *675

Rates and Charges:—
B.R. Increases 299
B.R. Rate Considerations ... 126
B.T.C. (Passenger) Charges Scheme, 1959 ... 90, 147, 297
France, Road Haulage Price Control 151
Freight Rates Inquiry 293
Italian Railways, Higher Rail Charges? 588
Italian Railways, Reorganisation 671
U.S.A. Railways Freight Rates Cut 418

Rhodesia Railways:—
Benguela Railway, Shortest Route to Central Africa 3
C.T.C. Progress *40, 272
Collapsible Plastic Covers ... 245
Communications Disrupted by Elephants 72
Diesel Locomotive Mileage Record 755
Locomotive Availability ... 411
London Office Closes 409
Management Executive *147
Mineral Traffic, Increase in ... 272
Minister Gives "Sundowner" Party *445
Railway Firemen, Examination for 216
Reorganisation 122, *147
Salisbury Station Area Improvements 726
Silk Screen Work *272
Visit of Director-General ...*389

Road Haulage Association:—
Annual Dinner 119
Annual Luncheon 551
"C" Licensees, Greater Powers 210
Greater Expenditure on Roads Urged 119

Road Transport:—
Birmingham & Midland Motor Omnibus Co., Ltd., A.G.M. 550
"Britains Buses" 526
Bus Embedded in House ... 31
"C" Licensees, Greater Powers 210
Devon General Omnibus Meeting 434
France, Road Haulage Price Control 151
Motorway Over Disused Railway 323
National Committee on Road Transport Education Annual Report 491
Provincial Bus Fares Higher ... 667
Rickmansworth, Bus and Coach Alterations 462
Rural Bus Services, Report of Committee 325
United Automobile Services Limited Bus Fares Rise 754

Rolling Stock:—
Argentine Railways, Fiat Motor Coaches Locally Built ... 189
Australia, Exports and Imports of Stock 8
Australia, Rolling Stock Production 8
Australian Railways, Passenger Rolling Stock *193
Brazilian Railways, Passenger Coaches Locally Built ... 72
Brazilian Railways Standard Passenger Coach 244
B.R. Dynamometer Car ... 556, *516
B.R. Modernisation Plan ... 505
B.R. Riding Qualities of Passenger Stock ... 70, 414, 498
B.R. Rolling-Stock Exhibition at Marylebone 547
Cambodia Railways, Delivery of Wagons 216
Canadian Railways, Indigenous Coaches for Toronto Subway... 360
Carriage and Railcar Bogies: Their Design and Development 305, *446, *538
Coach Body Construction ...*315
Coach Heating and Air-Conditioning 239
Coated Nylon Wagon Sheet ...*200
Colombian Railways, Rolling Stock Purchase 639
E.A.R. and Harbours Modernisation *650, *653
E.R. L.T & S Line Electric Stock *695
E.R. New Pullman Coaches ... 433
E.R. Two-Tier Car Transporter 298, *318
Finnish Railways 445
French Railways, Double-Deck Motorcar Carrier *534
French Railways "Mistral" Air Conditioning *14
Hopper Wagon *227
Hungarian Railways, Air-Conditioned Coaches 642
Hungarian Railways, Rolling Stock Increase 217
Hungarian Rolling Stock for U.S.S.R. 217
Indian Railways, Heavy-Capacity Bogie Open Wagon *733
Indian Railways, Perambur, Production of Multiple-Unit Coaches 742
Indian Railways, Refrigerated Fish Van 40
Indian Railways, Three Tier Sleeping Cars 588
Indian Railways Wagons ... 723
Italian Railways Four-Car Luxury Trains *164
Japan, Underground Cars 509, *514
Japanese Railways, Diesel - Hydraulic Trains 3, *10
Large-Capacity Tank Wagon 266, *280
Lightweight Wagon *714
London Transport, Metropolitan Line New Cars, A.60 Stock *435, *736
London Transport, Rolling Stock Order transfer 410
Malayan Railways Diesel Working 268
New South Wales Railways, Bogie Livestock Wagons 472
New Zealand Railways, Shortage of Goods Wagons ... 244, 618
New Zealand Railways, Steel Highside Wagon *588
New Zealand Railways, "Ye" Class Ballast Hopper Wagon ... 732
Obtaining a Smooth-Running Bogie *17, *74, 242
Philippines, Increase in Flat Car Order 650
Polish Railways, Exports ... 610
Pullman Car Company's Good Year 238
Railway Workshops 176
Rhodesia Railways, Collapsible Plastic Covers 245
S.E.A.G. Wagons... ... ...*601
Scottish Region, Inverness-Kyle Observation Car *640
Sliding Roof Demonstration ...*295
South African - Built Electric Train 418
S.A.R. Indigenous Rolling Stock Construction 244
S.A.R. Narrow - Gauge Stock Purchased 216
S.A.R. New Locomotives and Rolling Stock 418, *607, 618, 676, 741
S.A.R. Rolling Stock Augmented 704
S.R. Kent Coast Electrification, Electric Stock *627, *630
Spanish Railways, Two-Car Electric Trains *285
Sudan Railways *292
Suspension Characteristics *106, *158
Swedish Railways, Electric Multiple-Unit Trains *282

Rolling Stock:—(*contd.*)
Swedish Railway, 260 ton, 131 ft. Flexible Wagon... 704
Swiss Railways, Jungfrau Railway *400
Swiss Railways, Modern Electric Push-and-Pull Trains *48
Swiss Railways New Rolling Stock 9
Turkish Railways, New Coaching Stock 704
U.S.A. Railways Aluminium Gondola Wagon 8
U.S.A. Railways Wagon Repair Depot 189
Victorian Railways, More "Harris Trains" 417
Western Australian Railways Freight Wagons 203
Western Australian Railways Modernisation 684 (map)
Western Australian Railways, Track Recorder Car 361
W.R. Sliding Wagon Roof ... 206
Wood and Plastic Panelling ... 656

"Royal Commission on Local Government in Greater London" Report 299

Royal Society of Arts:—
Alfred Bossom Lecture 125
Lectures 234

Royal Visit to Avon Indian Rubber Co. Ltd. 522
Royal Visit to Madras 319, *332

Rumanian Railways:—
Goods Exchange Agreement ... 588

S

Saudi Arabia:—
Contracts, Orders and Tenders ... 294, 377

Scientific Research:—
B.R., Headquarters for Research at Derby 727, 751
B.T.C., Organisation for Research 176, 240, *391
E.R., Mobile Test Laboratory for 25-kV Lines 513
Herbert Alfred Limited, Applied Research Department ... 725, 751
Japanese Railways, Research ... 122, 152
Laboratory Furnaces 344
McFadzean Laboratory ... 554, *596
Mechanical Research Laboratory 724
Operational Research Conference 604
O.R.E., Recent Research 163, 212, 239, 356
Scientific Equipment, Sharing of 410
Supplying Technical Information 239

Scrap Heap:—
*7, *39, *71, *99, *129, *155, *187, *215, *243, *271, *303, 331, *359, *388, *416, *443, *471, *499, *533, 559, *587, *617, *649, *675, *703, *731
Advice to Designers 155
All Boys Together *649
All Change 71, 471
Almost A Gentleman 331
Ambition Fulfilled at Cost? ... 617
Analysis of the Situation—or Words Before a Flag at Half-Mast 331
. . . and sometimes I Just Sits ... 243
And so they Nationalised the Wind 359
Angel's Flight Railway 703
Any More for the Skylark? ... 99
Automatic Vending 303
Better Safe Than Sorry 71
Bishop on the Move 243
Blue Murder 703
Bobby's Job, A 731
"Bradshaw" *471
Breaking the Fall... 71
British Railway Centenaries of 1961 7
Buffer State 39
Bulgarian Venture 155
Bulky Gift 129
Candlelight for Trains *39
Caterpillar Tracks 533
Centenary 443
Collector's Piece 359
Comfort at Crossings 443
Competition Unwelcome ... 388
Country Style 617
Covering Fire 271
Cushioned Ease 215
Darby Winners 187
Debentures for Traffic Losses? ... 617
Dental Stopping 675
Destructive Timber Preservative... 303
Difficult 331
Diogenes of the Railway Works 129, 271
Direction of Travel 587
Drinka Pinta 303
Drive a Good Bargain 675

Scrap Heap:—(*contd.*)
Early Brake Dynamometer ...*271
Edison Locomotive, The... ...*388
Exit Dobbin 271
Exit the "Honeymoon Express" 587
False Prophet 99
Finders Keepers? 99
Fine Record 649
Functions of an Executive ... 416
Funny Place to Park 649
Ghost Train? 243
Goings-on at Bath 187
Goods from the Middleton Railway *359
Good Time Had by All 443
Got Their Numbers 617
Government and the Railways ... 155
Government Shake-Up 675
Great Eastern Emblem *243
Half-Crown Railway 129
Hertford Branch Special... ... 675
Highland Capers 559
Historical Details *731
Hot Seat 499
Inflated Travelling Caps 331
Intensive Excursion Working ... 471
Interest Awarded 416
John Braithwaite's London House 155
Keyed Up? 703
Knocking the Rock 703
Ladies Man Train... 416
Last of Its Class *155
Last of Its Kind *499
Last of Persia's Oldest Railway... 243
Last Train, The *703
Like a Bull? 331
Lineal Descent 99
Locomotive Destroys Enemy Aircraft 675
Locomotive Movements 533
London's "Elevated Electric" ... 617
L.T. & S., Last Locomotive Withdrawn *388
Many a Slip? 533
Meet Reward 303
"Merely Underground" ... 359
Merry-Go-Round... 71
Minimum Inconvenience? ... 675
More Power at Their Elbows ... 99
Name Not On It?... 187
Narrow View 303
Near Thing 416
New Appointments 155
New Locomotives for Children's Railway 71
New Zealand's First Railway ... 675
Nice Piece of Cheesecake... ... 187
Nice Sense of Occasion 39
No Exit 416
Not Angels, But Angles 416
Not Known 617
Not Quite Nice 99
Oldest Civil War Veteran? ... 443
Ode to an Off-White Paper ... 7
Off-Beat Park 499
Old Ford Station *7
"Old Girl, The"... ... ...*559
Once Bitten, Twice Shy 499
One-Track Mind 471
Only for a Doris Day? 471
On The Wagon 359
Out-of-Gauge Load 587
Over the Bend 587
Pantograph on Steam Locomotive *359
Perseverance Rewarded 331
Pilfered Puffer 129
Portpatrick Railway 303
Pre-Brebner? 471
Push-and-Pull 443
Railway Tie *533
Rawhide? 559
Recherché 416
Record Average 187
Regular Service 388
Returned Empties 703
Return to Port Florence *649
Revolt of the Machine 187
Robert the Rail? 649
Rough Riding 99
Round in Circles 471
Rude Awakening 533
Ruskin on Railways 271
School-Children Control Trains... 533
Second Empire Splendour ...*215
Service With a Smile 155
Sidetracked 129
Simple Logic 443
Sit-Down Strike 587
Skipped Link Young Rams ... 649
Skittles in the Subway 471
Smell of Burning, A 99
Sole a la Metropolitan 703
Something Stronger 39
So There! 129
South-West Passage 99
Speedy Tunnelling 388
Spirit of Christmas 155
Spotters 587, 729
Stamp of Approval *731
Stiff Upper Lip, Too? 671
Still in Use... 703
Time and Motion Study... ...*71
Times Have Changed 499
Time Travel? 187
Too Close for Comfort 559

Scrap Heap:—(*contd.*)
Top People Topped 39
Train Service Announcement ... 39
Transplanted *587
"Transport per pood per Verst" 39
Tremendous 533
'Twere Ever Thus 559
Tyrol Terrorists 703
Unabridged Version 187
Unfair to Mat Makers 129
Unmasked 243
Vertical Take-Off 243
Victoria Reconstruction? ... 71
Voice in the Wilderness 416
We'll Get Over It... 471
Well Matured 71
What the Dickens... 331
Why-are-we-Waiting 388
Windfalls on the Lawn *533
88-Year Wait for Drink 243
115 Years of Passenger Services... 215
Yen for Riches 675

Ships and Shipping:—
B.T.C. Self-Inflating Liferafts ... 378
Coastal Shipping and Internal Transport 317
E.R. Tilbury-Gravesend Ferry 606
E.R. Tilbury-Gravesend Ferry Boat, Launching of 63
E.R. Tilbury-Gravesend Ferry Services 31, 150
L.M.R. Holyhead Services to Dublin 27
New Zealand Railways, Wellington-Picton Ferry 704
Scottish Region "Caledonian Princess" Launched 432
Scottish Region, Clyde and Loch Lomond Steamer Services and Trips 119
Scottish Region, More Ferries at Skye 550
Sea Voyaging, 1961 754
S.R. Channel Islands, Addition to Service *719
S.R. Cross Channel Motor Ferries 31
S.R. Isle of Wight Ferry... ...*348
S.R. Newhaven Car Ferry ... 350
Vehicle Ferries to and from Britain 295
W.R. Augmented Sailing to and from Ireland 262
Why Boat Trains? 701

Shunting:—
Victorian Railways, Diesel-Hydraulic Shunting Locomotives 707

Sierra Leone Railways:—
Contracts, Orders and Tenders... 753

Signal Engineers, Institution of:—
Meeting 34, 104, 151, *206, 231, 266, 317
Presidential Address ... 439, 609
Summer Convention ... 548, 663

Signalling:—
Argentine Railways, C.T.C., New Type 244
B.R. Four-Character Headcodes, Application to Signalling ... 547
B.R. Modernisation Plan ... 506
Danish Railways, Automatically Controlled Trains *534
E.R. Colour-Light Signalling ... 754
E.R. Plastic Relay Room 322, *337
E.R. Re-signalling of Lines at Barking 355, *364, 582, *590
Indian Railways, C.T.C.... ... 732
Indian Railways, Tokenless Block Working *682
Iranian Railways, Main Line Re-signalling 360
Kofler System of Automatic Train Control *362
L.M.R. Coventry, Power Signalling Installation ... 490, 548
L.M.R., Crewe-Liverpool Section Re-signalling 466, *476
L.M.R. Signal School for West Midlands *574
London Transport, Control and Locking of Junction ... 266
London Transport, Re-signalling of Lines at Barking 355, *364, 582, *590
N.E.R., Centralised Traffic Control Between York and Beverley 574
N.E.R., Colour Light Signalling 350
N.E.R., Improved Railing to Steelworks 582
N.E.R. Tollerton, New Power Signalbox *133
Rhodesia Railways, C.T.C. Progress *40, 272
Scottish Region, Glasgow Central Signalbox 575
Scottish Region, Signal Post Telephones *283
South African Railways 439
Spanish Railways, C.T.C. Extended 73

Signalling:—(*contd.*)
Swiss Railways, Signalbox Replacement 9
Victorian Railways, Melbourne-Albury Line Automatic Signalling ... ...*419 (map)
W.R., Newport Re-signalling 59, 460
W.R. Plymouth, Re-signalling *42 (map)
Westinghouse Brake and Signal Co. Ltd., Record Signal Installations 203

Slovakian Railways:—
Electrification Extension ... 245
Modernisation Plans 156

South Africa:—
Airways Revenue 278
Decimal Currency System ... 207

South African Railways:—
Activity Increased 121
Bridge Replacement Programme 72
Cape Town Administrative Offices 676
Centenary 301
Contracts, Orders and Tenders 29, 117, 145, 205, 489, 521, 577, 605, 637, 666, 721, 753
Diesel and Electric Traction 555, 647
Diesel-Hydraulic Locomotives ...*480
Durban Project, Progress on ... 72
Electrification ... 68, *72, 399
Good Economic Year Forecast... 326
Indigenous Rolling Stock Construction 244
Narrow-Gauge Stock Purchased 216
New Locomotives 418, *607, 618, 676, 741
New Managerial Organisation ... 353
Port Elizabeth Harbour 473
Port Elizabeth, Ore Handling ... 611
Pretoria Improvements 732
Refreshments for Non-Whites ... 676
Report, 1960 301
Rolling Stock Augmented ... 704
Signalling 439
South African-Built Electric Train 418
South-West Africa, Gauge Conversion 642, *676
Windhock Conveyor System ... 40

South Australian Railways:—
Annual Report 646
Contracts, Orders and Tenders 294, 433
Pick-a-Back Freight Service ... 619

Southern Railway Dramatic Society 463

South Wales & Monmouthshire Railways & Docks Lecture & Debating Society 295

Spain:—
Barcelona Underground Railway *168 (map)

Spanish Railways:—
C.T.C. Extended 73
Contracts, Orders and Tenders 576
Overland Transport 266
Two-Car Electric Trains *285

Speed:—
Comparative Locomotive Performances 330
French Railways, High Speed Trials *743
High Performance Lightweight Trains Diesel and Electric ...*708
Investigation of Section Insulators 163, 212
Shape of Things to Come ... 702
Swiss Railways Speed Limit Higher 704
U.S.A. Railways, Mile a Minute Freight 726

Staff:—
Argentine Railways, Houses for Railwaymen 332
Argentine Railways Situation 645, 728
B.R. All-Line Staff Competitions 234
B.R. Amateur Boxing Final ... 433
B.R. Girl Fire-Fighters 695
B.R. Organisation 36
B.R. Safe Driving Awards ... 32
B.R., Selling of 66
B.R. Shorter Working Week 28, 116, 232, 465, 488, 519, 603, 636, 693, 752
B.R. Work Study 123
B.T.C. Chairman's Message to Staff 641, 663
E.A.R. and Harbours, Localisation and Training 670
E.A.R. and Harbours Staffs' Rights 604
East and Central Africa, Anxiety of Railway Staffs 575
E.R. Regional News-Sheet Development 94
Eire C.I.E. Courses for Guards and Ticket Collectors 34

Staff:—(*contd.*)
Hungarian Railways Staff Training *320
L.M.R. Diesel Traction School... 755
L.M.R. Railway Management Courses 579
L.M.R. Road Safety Award ... 550
L.M.R. Staff Canteen Manchester Roofing of 379
London Transport, Busmen, Claims for Shorter Working Week 293
London Transport Bus Services Improvement 266
National Council for the Omnibus Industry 432
New Zealand Railways, Night Shift Pay and Conditions ... 732
No Economy in Manpower ... 237
N.E.R. Pre-apprenticeship 326, 368
N.E.R. Road Safety Contest ... 322
N.E.R. Selling Railway Transport 210
N.E.R. Stationmasters Discussion Courses 462
Rhodesia Railways Firemen, Examination for 216
Scottish Region, Brick Knocks Out Train Driver 63
Scottish Region, Film Shows ... 523
S.A.R. New Managerial Organisation 353
S.R. Voluntary Vocational Training 238, *246
U.S.A. Railways, What a Railway Buys 726
Victorian Railways Apprentices 304
Victorian Railways Superannuation 183
W.R. Oxford, New Staff Accommodation 491

Staff and Labour Matters:—
28, 61, 116, 144, 204, 232, 259 293, 348, 432, 461, 488, 519, 548, 603, 636, 665, 693, 719, 752

Standards Engineers Conference, 1961 298

Stations:—
Argentine Railways, Mar del Plata, Access to 244
Automatic Marshalling Yards, 34, *101, 231
Brazilian Railways, Progress with Improvements 216
B.R. Architecture 125
B.R. Modernisation Plan... ... 507
B.R. Stations, Closing of 90, 207, 263, 462, 463, 490, 522, 578, 639, 696, 722
B.T.C., Design in Transport Equipment 211
Canadian Railways, C.N.R. Moncton, New Hump Yard 210, *222
Canadian Railways, C.N.R. Moncton, New Station and Offices... 619
Canadian Railways, C.N.R., New Straddle Carrier *417
E.R., Colchester Modernisation *321, 635, *651
E.R., Doncaster Works, Power Supply 751
E.R., Freight Modernisation 206, 265, 309(map)
E.R., Harlow Town Station, Train Indicators *622
E.R. Hornsey Goods Depot, New Cold Store *262
E.R. Kings Cross, Covent Garden Market Re-Siting *58
E.R. Shenfield Ticket Office ... 755
French Railways, Le Mans, Motive Power Facilities 34
Indian Railways, Bombay, New Goods Terminal 72
Indian Railways, Madras Central Improvements 130
Indian Railways, Planned Development 611
Lighting in Marshalling Yards...*566
L.M.R. Burnley Freight Depot 638, 724
L.M.R. Crewe-Liverpool Station Reconstruction 625, *626
L.M.R. Crewe Station, Reconstruction *594
L.M.R. Goods Depots to Close 207
L.M.R. Hindley Green, Platt Bridge, and Caton, Closing ... 463
L.M.R. Kingmoor Carlisle Marshalling Yard 144
L.M.R. Manchester Piccadilly Station Reconstruction ...*664
L.M.R. Stafford Station Improvement 377
L.M.R. Stoke-on-Trent Freight Terminal 579, *655
L.M.R. Stoke-on-Trent Station... 176
London Transport, Barking Station Reconstruction 232
London Transport, East Hounslow Station 293
London Transport, Holborn Station Escalator Breakdown ... 31

Stations:—(*contd.*)
London Transport, Moor Park, New Station 463
London Transport, Notting Hill Gate Service 25
London Transport, Notting Hill Gate Station Modernisation ...*523
London Transport, Rain Closes Station 550
London Transport, Sudbury Town Station, More Parking Space ... 147
New Zealand Railways, Christchurch Station Reconstruction *129, *135
New Zealand Railways Station Construction *444
Nigerian Railways, Port Harcourt Sidings *620
N.E.R. Bradford Exchange Station, New Enquiry Office 603
N.E.R. Bradford Exchange Station, Toilet Facilities... ... ...*432
N.E.R. Bradford (Forster Square) Station, New Grill and Bar ... 434
N.E.R. Gateshead Freight Terminal 720
N.E.R. Kipling Cotes Station Conversion 463
N.E.R. Marshalling Yards 88, 182, *190, 377
N.E.R. Newcastle Station District Control 462
N.E.R. Station Management ... 350
N.E.R. Stourton, New Marshalling Yard 377
N.E.R. Sunderland Station to be Rebuilt 350, 376
N.E.R. Temple Hirst Station ... 92
N.E.R. Walton Station Closure... 462
N.E.R. Welbury Freight Depot... 668
N.E.R. Whitby West Cliff Station, Closure of 90
N.E.R. York Station, Christmas Tree Appeal 1960 262
Old Ford Station *7
Rhodesia Railways, Salisbury Station Area Improvement ... 726
Scottish Region, Banchory, New Rail Halt 178
Scottish Region, Cowdenbeath Station Rebuilt *463
Scottish Region, Rogart Station to Re-open as a Halt 234
S.A.R. Pretoria Improvements ... 732
S.A.R. Windhoek Conveyor System 40
S.R. Brighton Station Refreshment Room 550, *712
S.R. Folkestone Central, Reconstruction *719
S.R. Kent Coast Electrification...*627
Spain, Barcelona Underground Railway *168
Swiss Railways, Gotthard Line... 411
Victorian Railways, Melbourne Area Development 417
Victorian Railways, Spencer Street Station 298
Victorian Railways, Station Parking 534
Victorian Railways, Station, Closure of 304
Victorian Railways, Stations Unmanned at Night 560
Victorian Railways, Suburban Stations and Overbridges ... 704
W.R. Hayes & Harlington Station Rebuilding 460
W.R. Margam Yard, Doppler Radar System *633
W.R. Plymouth North Road, Canopy Platform Roofing ...*221
W.R. Station Buildings Construction Resumed 292

Statistics:—
B.R. Freight Train Traffic 97, 213, 357, 441, 585, 673, 729
B.R. Ineffective Railway Motor Power 614, 674, 730
B.R. Statistics, Revision Essential 153
B.T.C. Traffic Receipts 66, 183, 300, 413, 584, 644
Canadian Railways, Trends ... 326
Netherlands Railways 1960 ... 726
New Zealand Railways, Losses Reduced 670
Spanish Railways, Overland Transport 266
United Nations Railway Statistics for 1959 124
U.S.A. Railway Operation in 1960 672
U.S.A. Railways Begin 1961 Badly 497, 530, 698
U.S.A. Railways, Motive Power... 611
U.S.A. Railways, Norfolk & Western Railway 728
U.S.A. Railways, Precarious State 645
U.S.A. Railways, Revenues and Expenses 153
Western Australian Railways in 1959-60 727

Steamers:—
See Ships and Shipping

Stedeford Report 61

Steel:—
Automatic Ladling 714
British Iron & Steel Federation, Annual General Meeting ... 381
Consett Iron Company, New Plate Mill 491
Electrical Iron 545
Indian Railways, Iron-Ore Railway 699
Iron and Steel Production by Colvilles, Record 91
Iron and Steel, Inland Transport of 644
Nickel Alloy Steel 372
Propane Heating Technique ... 200
Scleroscope 749
South Durham Steel & Iron Co. Ltd., Improved Railing to South Works 582
Steel Castings, Production of ... 373
Steel Castings Versus Fabrications 532
Steel Group Headquarters ... 722
Steel, Less Home Demand ... 93
Steel Output Increases 2
Steel Production by Dorman Long & Co. Ltd., Record ... 91
Steel Stock-Piles May Fall ... 438
Steel Workers on Four-Day Week 31
Structural Steelwork, Protection of 184
Unique Steel Plant, Transport for 185
U.S.A. Railways, Steel Shipment *146
Versatile Material *623

Stocks and Stockholders:—
Anti-Attrition Metal Co. Ltd. ... 523
Argentine Railways Situation 645, 728
Associated Commercial Vehicles Limited 31, 90, 179, 606
Beyer Peacock Recovery ... 490
Birmingham Railway Carriage & Wagon Co. Ltd. ... 490, 551
B.E.T. Omnibus Services... ... 492
British Oxygen Co. Ltd. ... 20
B.T.R. Industries Limited ... 295
Brown, John & Co. Ltd. ... 146
Canadian Pacific Railway ... 724
C.P.R. Controls New 4,800-mile Soo Line 411
Central Wagon Co. Ltd. 178, 323
Costa Rica Railway Co. Ltd. ... 323
Coventry Gauge & Tool Co. Ltd., Issue Price 147
Crossley Bros. Ltd. 491
Dorman Long & Co. Ltd. ... 178
Dowty Group Limited 296
Emu Bay Railway Co. Ltd. ... 463
English Electric Co. Ltd. 234, 291
Firth Thos. & John Brown Limited 91, 606
General Electric Co. Ltd. ... 178
George Cohen 600 Group Limited 280
German Federal Railway Bond Issue 117
Glyn Mills & Company 90
Hunslet (Holdings) Limited ... 523
Hunslet (Holdings) Limited Acquire Company 640
Indian Railways Budget Estimates for 1961-62 583
International Combustion Group 695
Investment in Railways 381
Isle of Man Railway Company... 295
Israeli Railways Turn Loss into Profit 618
Kango Electric Hammers Limited 523
Londonderry & Lough Swilly Railway Company 352
Midland Railway Co. of Western Australia Ltd. 523
Napier, D. and Son Trading Loss 234
Nationalised Industries, Investment in 204, 381
New Zealand Railways, Year's Results 650
North British Locomotive Co. Ltd. 667
Paraguay Central Railway ... 438
Pullman Car Company Limited... 238
Railway Stock Market 32, 64, 92, 120, 148, 180, 208, 236, 264, 296, 324, 352, 380, 408, 436, 464, 492, 524, 552, 580, 608, 640, 668, 696, 724, 756
Ribble Motor Services Limited ... 638
Richard Thomas & Baldwins Limited 91
San Paulo (Brazilian) Railway Co. Ltd. 523
Shareholders Missing 724
Southdown Motor Services Limited 639
Stewarts and Lloyds Limited 119, 234
Tempered Group Limited, Investment in Spain 722
Tempered Group Limited, Sheffield 574
Turner & Newall Limited, Takeover Bid 146, 147
United Railways of the Havana and Regla Warehouses, Liquidation 502, 603
Vickers Limited 234

Stocks and Stockholders:—(*contd.*)
Vulcan Foundry Limited 266, 291, 323, 526
Wagon Finance Corporation ... 234
Wagons-Lits 667

Strikes:—
Argentine Railways ... 244, 360
B.R. Lorry Men Threaten Unofficial Strike 639
B.R. Motor Drivers Strike 693, 719
French Railways 607
Italian Railways, Strike Action... 9
National Joint Council for the Omnibus Industry, Strike Action Decision 348
Provincial Bus Workers ... 432

Sudan Railways:—
Contracts, Orders and Tenders 89, *130, 145, 177, 233, 321, 433, 521, 549, 576, 605, 637, 666, 694, 721, 753
Preparations for Constructing New Dam 618
Rolling Stock *292
Seeks Loan 579

Swaziland:—
Railway Authority For ... 182, 298

Swedish Railways:—
Electric Multiple-Unit Trains ...*282
Flexible Wagon, 260 ton, 131-ft.... 704
Year's Operation Successful ... 304

Swiss Railways:—
Basle, New Avoiding Line ... 130
Brique - Viége - Zermatt Railway, New Rolling Stock 9
Electricity Generation 509
Electric Locomotives ... 150, 167
Furka-Oberalp Railway ... 73
Gotthard Line 411
Higher Working Surplus ... 217
Jungfrau Railway Motive Power *400
Lotschberg Line, Doubling ... 732
Management Report 495
Modern Electric Push-and-Pull Trains *48
Policy 610
Signalbox Replacement 9
Speed Limit Higher 704
Summer Train Services ... 613, 726
T.E.E. Trains 726

Switzerland:—
Loan for Belgian Railways ... 638
Loan for Eurofima 638
London Transport Bus 118

T

Tasmanian Railways:—
Emu Bay Railway, Developments 355

Telegraphs and Telephones:—
Indian Railways, Royal Train Telephone Facilities 144
Rhodesia Railways, Communications Disrupted by Elephants 72
Scottish Region, Signal Post Telephones 283

Thailand Railways:—
Contracts, Orders and Tenders... 694
World Bank Loan... 494

Thefts:—
Mailbag Thieves Imprisioned ... 118
More Power at Their Elbows ... 99

Tickets:—
See also Fares
B.R., Cheap Travel 234
B.R., Holiday Bargains 30
E.R., East Anglian Ranger Ticket 434
E.R., Holiday Period Rail Tickets, Reduced Fare 579
E.R., Holiday Return Tickets ... 295
E.R., Newmarket Special "All-In" Tickets 434
E.R. Runabout Tickets 490
E.R., Sheffield Area to the East Coast Holiday Period Tickets 379
E.R., Ticket Agents, More Help for 726
Indian Railways, Rail Concession to Foreign Tourists 704
L.M.R. Crewe Station, Reconstruction *594
L.M.R., Grand National, Special Trains 263
L.M.R., Rail and Bus Ticket, Interavailability 696
N.E.R., Day-Line Tickets ... 406
N.E.R., Holiday Period Tickets... 462
Scotland and Northern Ireland, Interavailability of Tickets ... 608
Season Tickets, Cost of 259
S.R., Early Morning Ticket Concessions 30
S.R., Go-as-you-Please Ticket ... 491
Western Germany, Season Tickets, Higher Rates 245
W.R., Holiday Runabout Tickets 379

Timber:—
Preservation of Wood ... 386, *407

Timetables:—
All-Region Timetable 330
Argentine Railways, General Roca Railway, Surburban Services 272, 389
"Bradshaws," Demise of 299, *471
"Bradshaws": No Alternative... 520
B.R., Amateur Cup Final, Cheap Excursions 433
B.R., Branch Lines, Closing of 260, 383, 668, 752
B.R., Inter-Regional Passenger Services 214
B.R., Passenger Services, Future Policy for 557
B.R. Services 38
B.R., Scottish Train Alterations 4
B.R., Timetable Complications... 66
Danish Railways, Summer Timetable 610
"Derby A.B.C." to Close ... 433
Early Timetables 414
E.R., Continental Services and Fares 638
E.R., Cyclists' Rail Excursion ... 434
E.R., Day Excursions to Belgium 723
E.R., Diesel and Electric Trains 551
E.R., London-Moscow Daily Service 635
E.R., Main Line Speed-Up ... 754
E.R., Newmarket Special Trains 434
E.R., North-East London Lines, Full Services Delayed 31
E.R., Passenger Train Service Withdrawal 463
E.R., Summer Services 584
E.R., Tilbury-Gravesend Ferry Service Alterations ... 31, 150
E.R., Tilbury-Gravesend Ferry Summer Service 606
European Goods Train Timetable Conference 411
Europe, International Freight Expresses 741, *744
Finnish Railways, Hyvinkää and Karkkila Line Closed to Passenger Traffic 732
French Railways Accelerations... 182
French Railways, "Chaix," Development of 670
French Railways, Improved Services 319
French Railways, Summer Train Services 468, 557
Germany, Summer Railway Timetable 361
Indian Railways, Bombay Suburban Services 72
Inter-Regional Passenger Services 270
Italian Railways, Greece by Car/Sleeper 151
Italian Railways, Re-Opening of Passenger Line 272
Italian Railways, Summer Train Services 700
L.M.R., Bedford-Hitchin Line Withdrawal 722
L.M.R., Car Sleeper Service to Scotland... 694
L.M.R., Diesel Service for Cheshire... ... ...*693
L.M.R., Diesel Service, Public Approval 438
L.M.R., Diesels on Suburban Services 116, 354, 695
L.M.R., Diesels Withdrawn from Service 638
L.M.R., Engineering Work ... 90
L.M.R., Grand National, Special Trains 263
L.M.R., Holyhead Services to Dublin 27
L.M.R., Irish Services 374
L.M.R., Summer Service 496, 519
London Transport, Bus Timetables, Computer Compilation of 27
London Transport, District Line Wimbledon Service 666
London Transport, Summer Timetables 550
London Transport, Sunday Coach Trips 578
London Transport, Suspended Services 434
Netherlands Railways, Summer Timetable 673
Netherlands Railways, Train Services Increased 273
N.E.R. and L.M.R., "Trans-Pennine" Services 28, 119, 354, 383, 495
N.E.R., Durham Train Services Complaints 232
N.E.R., Holiday Excursions ... 720
N.E.R., Ramblers' Excursion ... 695
N.E.R., Special Excursion to "The National" 351
N.E.R., Summer Services ... 383
N.E.R., Temple Hirst Station, Passenger Facilities Withdrawn 92
N.E.R., Train Service Alterations 146, 178, 179, 292, 463

Timetables—(*contd.*)
N.E.R., Two-Hourly Sunday Service 459
N.E.R., West Riding to London, Faster Services 692
N.E.R., Yorkshire Dales, Special Trains 551
Railway Enthusiasts Club Tour... 695
Scottish Region, Aberdeen - Ballater Sunday Service ... 755
Scottish Region, Aberdeen-Inverness Diesel Expresses 30
Scottish Region, Aberdeen-Inverness Service Improved... 439, 696
Scottish Region, Diesel Land Cruise 722
Scottish Region, Falkirk Sunday Train Alterations 63
Scottish Region, Glasgow Steam Services Restored 65
Scottish Region, Summer Services 547, 614
S.R., Early Morning Trains, Fewer 667
S.R., Passenger Train to be Withdrawn 490
S.R., Summer Services 412
Swiss Railways, Basle Avoiding Line 130
Swiss Railways, Summer Train Services 613
U.S.S.R., Moscow - Rome Through Sleeping Cars 156, 685
Western Germany, Faster Passenger Services 245
W.R., Even-Interval Timetable 612, 702, 730
W.R., Service Withdrawn ... 351
W.R., Summer Services 441

Tourist:—
E.R., Special for Canadian Tourists 407
Indian Railways Rail Concession to Foreign Tourists 704
London Transport, "Visitor's London," Poster Map ... 320
N.E.R., Tourist Facilities, Improved *203
Swiss Railways, Policy 610
Tourists in February 579
Tourists in March 695
Tourists in October 31
Tourists in November 117
Tourist Record 754

T.U.C.:—
Railway Running Sheds... ... 488

Traffic:—
Angola, Benguela Railway to Carry Ore to Lobito 732
Argentine Railways, Passenger Traffic 360
Australian Railways, Results ... 589
Austrian Railways Palletisation 156
B.R. Controlled Road Testing System *564
B.R. Freight Train Traffic 97, 213, 357, 441, 585, 673, 729
B.R. Rates and Charges Increases 299
B.R. Traffic Trends in 1961 ... 441
B.R. Winning Back Railway Passengers 415, 531
B.T.C. Traffic Receipts 66, 183, 300, 413, 584, 644
British Transport Docks Traffic Increase 234
Canadian Railways, C.N.R. Fast Freight Service 332
Canadian Railways, C.N.R. Improving Freight Business ... 299
Canadian Railways, C.N.R. in 1960 211
Canadian Railways, C.N.R. January Operating Results ... 444
Canadian Railways, C.N.R. New Straddle Carrier ...*417
Canadian Railways, C.N.R. Vigorous Action 494
Canadian Railways, C.P.R. Earnings 666
Canadian Railways, C.P.R. in 1960 152
Canadian Railways, Trends ... 326
Can British Railways Pay? ... 671
Chile, Copper Concentrates by Pipeline 704
Competitive Freight Operation ... 329
Co-ordinating New Works with Traffic 440
C.I.E. Progress 642
E.A.R. and Harbours During April 642
E.A.R. & Harbours in 1960 ... 643
E.A.R. & Harbours, Revenue and Tonnages 304
E.R. Art Treasures Railed from London to Holland 638
E.R. Freight Modernisation 206, 265, 309(map)
E.R. Freight Train Service, Withdrawal of 118, 322
E.R. New Business Secured ... 583
E.R. Steel Wire for East Germany 722
E.R. Waterside Electric Cranes for Blackwall *276

Traffic:—(*contd.*)
Eire, C.I.E. Drive for Traffic ... 123
Eire, C.I.E. Freight Accounting 382
Europe, International Freight Expresses 741, *744
Finnish Railways, Connecting Traffic with the U.S.S.R. ... 445
French Railways, S.N.C.F. Productive Year 94
Ghana Railways & Harbours ... 267
Indian Railways, Assam "Quick Transit Service" 40
Indian Railways, Budget Estimates for 1961-62 583
Indian Railways, Calcutta, Potentialities of Sealdah ... 588
Indian Railways, Coal Wagon Allotment 244
Indian Railways During 1959-60 467
Indian Railways, Iron-Ore Railway ... ... 699 (map)
Indian Railways, Southern India Mineral Traffic 238
Indian Railways, Southern Railway Greater Capacity ... 643
Indian Railways, Traffic Congestion and Doubling 583
Indian Railways, Transit Delays 244
Indian Railways, Wagon Loadings, Record 676
Iron and Steel, Inland Transport 644
Italian Railways, Vitória - Minas Railway Carrying Iron Ore *424
Large-Capacity Tank Wagon 266, *280
L.M.R. "Condor" Container Service to Glasgow 756
L.M.R. Container Service to Ireland 756
L.M.R. Edgware Station to Close for Parcels Traffic 522
L.M.R. Stoke-on-Trent Freight Terminal 579, *655
Malayan Railways 413
Malayan Railways Diesel Working 268
Mammoth Rail Press 20
Mechanical Handling of Freight 231
Netherlands Railways, International Goods Transport ... 417
New South Wales Railways ... 357
New Zealand Railways, Bulk Cement Traffic 72
New Zealand Railways Holiday Travel 156
New Zealand Railways, Passenger Traffic Improved 390
New Zealand Railways, Year's Results 650
Nigerian Railways 468
N.E.R. Gateshead Freight Terminal 720
N.E.R. "Out-of-Gauge" Load of Steel 463
N.E.R. Selling Freight Services 297, *319
N.E.R. Special Consignment to Italy 693
N.E.R. Special Trains Convey Girders 696, *755
Overseas Railway Traffic 34, 94, 150, 210
Queensland Railways, 1959-60 ... 269
Rhodesia Railways, Mineral Traffic, Increase in 272
Rickmansworth, Bus and Coach Alterations 462
Roadrailer, Further Tour ... 95
Scottish Region, Forfar - London Fruit Trains 607
Scottish Region, Potato Forwardings 578
Shock-Recording Apparatus ... 356
S.A.R. Activity Increased 121, 301
S.A.R. Good Economic Year Forecast 326
South Australian Railways ... 646
South Australian Railways, Pick-a-Back Freight Service ... 619
S.R. New Container 434
S.R. Southampton, Improved Freight - Handling Facilities *363, *376
Spanish Railways, Overland Transport 266
Specialised Role of Railways ... 96
Swedish Railways, Successful Year's Operation 304
Swiss Railways, Higher Working Surplus 217
Swiss Railways, Management Report 495
Swiss Railways, Policy 610
Transport for a Unique Steel Plant 185
U.I.C. Passenger Traffic Report... 519
U.S.S.R. Moscow Traffic Plans... 650
U.S.S.R. Progress on Railways ... 444
U.S.A. Railways, New York Central, Mile-a-Minute Freight 726
U.S.A. Railway Operation in 1960 672
U.S.A. Railway Position 6, 186, 384, 414, 645
U.S.A. Railways, Begin 1961 Badly 497, 530

Traffic:—(*contd.*)
U.S.A. Railways, Commuter Traffic 214, 302
U.S.A. Railways, New York Rapid Transit Problem ... 153
Unusual Load by Rail to Blaenau Ffestiniog 230
Victorian Railways 384
Victorian Railways, Clearance Wagon 361
Victorian Railways Easter Traffic Improved 534
Victorian Railways Freight Record 390
Victorian Railways, "Fruit Flier" 417
Victorian Railways, Good Performance 411
Victorian Railways, Live-Stock 8
Victorian Railways, Movement of Surplus Wheat 216
Walkie-Talkie Link Speeds Traffic 638
Western Australian Railways Midland Railway Traffic Returns 666
Western Australian Railways Modernisation 672, 684 (map)
Western Australian Railways Progress 672, 727
Western Australian Railways, Rail and Road Service Receipts 444
W.R. Freight Services from Scotland to the West Improved 349

Traffic Operation:—
Canadian Railways, C.P.R. Computing System 568
Danish Railways, Automatically Controlled Trains 534
Indian Railways, C.T.C. ... 732
Rhodesia Railways, C.T.C. Progress *40
Spanish Railways, C.T.C. Extended 73
Victorian Railways, Melbourne-Albury Line Automatic Signalling 419

Trains:—
Australian Railways, Air-Conditioned Train 589
B.R. "Aberdonian" 383, 547 551, 584, 614
B.R. "Atlantic Coast Express" 413
B.R. "Birmingham Pullman ... 613
B.R. "Bristolian" 612
B.R. "Bristol Pullman" 441, 612
B.R. "Britannia" 585
B.R. "Caledonian" 4, 547, 614
B.R. "Cambrian Coast Pullman" 613
B.R. "Car Sleeper Limited" 298, *318, 319, 410
B.R. Car Tourist Train 326
B.R. Cattle Breeders' Car-Sleeper Train 551
B.R. "Cornish Riviera Express" 441, 612
B.R. "East Anglian" 585
B.R. "Elizabethan" 584
B.R. Food Vending Machines ... 433
B.R. "Golden Arrow" ... 639, 698
B.R. "Hook Continental" ... 729
B.R. "Humber Rover" ... 720
B.R. "Inter-City" 613
B.R. Inverness-Kyle Observation Car *640, 667
B.R. "Master Cutler" 585
B.R. "Mayflower" 612
B.R. "Merchant Venturer" ... 612
B.R. "Midday Scot" ... 4, 614
B.R. "Night Ferry" 729
B.R. "Nights Scotsman" 383, 547
B.R. "Northern Irishman" ... 4
B.R. "Northern Venturer" ... 720
B.R. "Northumbrian" ... 383
B.R. "Pennine Rambler" ... 720
B.R. "Queen of Scots" 383, 433, 692
B.R. "Red Dragon" 441
B.R. "Royal Duchy" 612
B.R. "Royal Scot" 4, 547, 614
B.R. "South Wales Pullman"... 613
B.R. "Starlight Special" Trains 118, 262
B.R. "Talisman" ... 383, 584
B.R. Television Train on Exhibition ... 119, *202, 262
B.R. "Thames-Clyde Express" 4, 614
B.R. "Torbay Express" ... 612
B.R. "Trans-Pennine" Expresses 354, 383, 557
B.R. "Tynesider" 584
B.R. Weed Killing Train ...*517
B.R. "West Riding" 692
B.R. "White Rose" 692
B.R. "Yorkshire Pullman" ... 692
Congo, Refugee Trains Attacked 473
Danish Railways "Englaenderen" 610
E.R. G.E. Co. Ltd. Test Train 182, *204
E.R. Special for Canadian Tourists 407
Europe, "Expresses to the Orient" 729
Europe, "Simplon-Orient" ... 729
Europe, "Tavern Express" ... 729

Trains:—(*contd.*)
Europe, "Trans-Europ-Express-Marchandises" 741, *744
French Railways, "Iberia Express" 468
French Railways, "Le Capitole" 319
French Railways, "L'Européen" 468
French Railways, "L'quilon" ... 468
French Railways, "Mistral" *14, 468
French Railways, "Orient Express" ... 182, 468, 729
French Railways, "Pyrenees Express 468
French Railways, "Trans-Europ-Express" 319, 729
Indian Railways, "Deccan Queen" 40
Italian Railways, "Atesina Arrow" 700
Italian Railways, "Chopin" ... 700
Italian Railways, "Cisalpin" 700, 726
Italian Railways, "Dolomite Arrow" 700
Italian Railways, "Gottardo" 700, 727
Italian Railways "Mediolanum" 700
Italian Railways, "Rialto" ... 700
Italian Railways, "Schauinsland" 700
Italian Railways, "Settebello" ... 700
Italian Railways, "Ticino" ... 700
Italian Railways, "Treno dell 'Etna" 700
Italian Railways, "Vesuvius Arrow" 700
Japanese Railways, "Hatsukari" 355
NewZealand Railways, "Scenic Daylight" Express *472
Swiss Railways, "Cisalpin" 468, 613, 704
Swiss Railways, "Gottardo" 411, 613
Swiss Railways, "Italia Express" 613
Swiss Railways, "Mistral" ... 613
Swiss Railways, "Riviera Express" 130, 613
Swiss Railways, "Ticino" 411, 613
Swiss Railways, T.E.E. Trains 613, 726
Tasmanian Railways, "West Coaster" 355
U.S.S.R. Express at Chop Frontier Station *360
U.S.A. Railways, "Black Diamond" *215
Victorian Railways, "Harris Trains" ... 417,444, 650
Victorian Railways, "Spirit of Progress" Timing 8
Western Australian Railways, "Capital City Freighter" ... 684
Western Australian Railways, "South West Enterprise" ... 684
Western Germany, "Adria Express" 245
Western Germany, "Blauer Enzian" 245
Western Germany, "Blue Gentian" 245
Western Germany, "Helvetia"... 245
Western Germany, "Parsifal" ... 245
Western Germany, "Rheingold Express" 245
Western Germany, "Trans-Europe Express" 245

Transport:—
Argentina, National Development 704
B.T.C., Design in Transport Equipment 211
Expenditure 128
Integration—or Co-ordination ? 181, 201
L.A.M.A./C.O.I. Exhibit at Rand Show 326
Mass Transportation in the Future 299
Ministerial View of Transport ... 201
Pipelines, Competition from ... 318
Rail Transport to London Airport 209, 260, 270, 385, 498, 586, 647
Roadrailer, Further Tour ... 95
Transport Development, Social Problems of 494
Transport in Parliament ... 67, 318
Work Study for the Transport User 33

Transport & General Workers Union:—
Company-Owned Bus Undertakings Pay Claim 348
Provincial Bus Workers ... 432

Transport Institute of:—
Annual Dinner 295, 354
Informal Luncheon 147, 406, 462
March Meeting 295, 299
Meeting 36
Scottish Section Annual Dinner... 323
Sheffield Section, Annual Dinner 66
South Wales & Monmouthshire Section, Annual Dinner ... 406
Tees-Side Section, Annual Dinner 323
Visit to Belgium 181, 337
Week-End Conference 607
Western Section, Annual Dinner 263
Yorkshire Section, Annual Dinner 350

T.S.S.A.:—
Railwaymen's Wages ... 144, 548

T.S.S.A.:—(*contd.*)
Shorter Working Week Claim 28, 116, 232, 465, 488, 519, 603 636, 693, 752

Transport Tribunal:—
Annual Report 696
B.T.C. (Passenger) Charges Scheme 1959 ... 90, 147, 297
"C" Licences, Greater Power 210
Decision on New Fares 697

Transport Users' Consultative Committees 415, 470, 557, 607, 664
Branch Lines, Closing of 260, 415, 668

Travel:—
British Travel & Holidays Association ... 296, 579, 754
E.R. Sheffield Travel Agents Meet Railway Officials 460
Expansion 31
Ground Space for Travel ... 206
Holiday Travel Trends in 1961... 490
India Escorted Tour 523
New Zealand Travel Centre ...*508
Travel Agents Meet Eastern Region Officials 319

Tunnels and Tubes:—
Brazilian Railways, Progress ... 216
Channel Tunnel ... 354, 459, 520
E.R. Cheaper Tunnel Construction 495
E.R. Potters Bar Tunnels 495, 611
Indian Railways, Khandwa-Hingoli Construction Features 467
London Transport, Experimental Tunnels 300, *338
Metropolitan Railways and Fares Structures 528
Spain, Barcelona Underground Railway Tunnel Construction *168 (map)
Speedy Tunnelling 388
Versatile Material *623
W.R. Tunnel Maintenance by Air 723

Turkish Railways:—
Coaching Stock 704
Collision at Kartal 502
Contracts, Orders and Tenders... 205
Russo-Turkish Rail Link ... 394

Twelfth International Flame Hardening Conference, Essen ... 182

U

Ulster Transport Authority 240, *263, 297

U.S.S.R.:—
Adjustable Axle 695
Aid for Iraqi Line Construction... 189
Boiler Water Treatment 186
British Trade Fair, Moscow, 1961 234, 282, 379, 407, 580
Contracts, Orders and Tenders... 406
Diesel-Electric Locomotive, 3,000-H.P. *131
Diesel Traction *100
Electrification Progress ... 281, 298
Express at Chop Frontier Station*360
Moscow, Mirrlees Film at ... 638
Moscow-Rome, Through Sleeping Cars 156, 685
Moscow, Traffic Plans 650
Murmansk-Pechenga Railway ... 217
Progress on Railways 444
Railways on Virgin Lands ... 445
Rolling Stock from Hungary ... 217
Russian Delegation at Vulcan Foundry... ... ...*351
Siberian Railway, Electrification 41
Soviet Trade and Industrial Exhibition 610
Transport at 1967 World Fair ... 445
Turkish Rail Link... 394
Typical Russian Locomotive ... 500

United Kingdom Railway Advisory Service 609

United Nations:—
Transport Statistics for 1959 ... 124

U.S.A.:—
A.A.R., MR-1 Prestressed Sleeper 727, 735
A.A.R., Report for 1960... ... 126
Coach Body Construction ...*315
Diesels for Refrigerator Wagons*372
Half-Scale Bridge Test 268
Investment in Argentina Locomotive Plant 272
Pakistan Loans 473, 619
Railway Unions' Demands ... 534
Skittles in the Subway 471
United States Development Loan Fund 41
Visit by Sir Lionel Kearns ... 522

U.S.A. Railways:—
Aluminium Gondola Wagon ... 8
Annual Reports 700
Atchison Topeka & Sante Fé, 2,600 miles of Microwave ... 732
Bad Beginning to 1961 497, 530, 698
British Diesel Engines 149

U.S.A. Railways:—(*contd.*)
Chicago & North Western Railway Steel Shipment *146
Commuter Traffic 214
Denver & Rio Grande Western Railroad, Report 469
Derailment Caused by Diversion 30
Diesel Power Experience... 241, 387
Diesel Traction, Economics of ...*311
Freight Rates Cut... 418
G.E.C. Locomotives 755
Lehigh Valley Railroad, 115 years of Passenger Services *215
Locomotives in Service 100
Manitou & Pikes Peak Railway Order 233
Mass-Transit Passenger Mono-Rail 188
Motive Power 405, 611
New Haven Railroad, Transistorised Control for Commuter-Type Railcars *746
New York Central Railroad 497, 530
New York Central System, Mile a Minute Freight 726
New York Harbour, Longest Railway Lift-Span Bridge ... 420
New York Rapid Transit Problem 153
Norfolk & Western Railway, Report 728
Norfolk & Western Railway Thrust to Great Lakes... ... 94
Norfolk & Western Railway, Underwater Interlocking ...*398
Railroad Position 6, 186, 384, 414, 645, 698, 701
Railway Operation in 1960 ... 672
Revenues and Expenses ... 153, 384
Swing-Span Bridge Modification 156
Union Pacific Railroad, Reconstruction of 247-ft. Span Under Traffic 253
Wagon Repair Depot 189
What A Railway Buys 726

Uruguayan Railways:—
Contracts, Orders and Tenders... 117, 294
Railway Improvement 389

V

Victorian Railways:—
Annual Report, 1959-60... ... 384
Apprentices 304
Bulky Gift 129
Clearance Wagon... 361
Contracts, Orders and Tenders 29, 177, 233, 489, 605, 637
Diesel-Electric Locomotives 619, 676
Diesel-Hydraulic Shunting Locomotives 707
Easter Traffic Improved 534
Express Transport of Live-Stock 8
Fare Reduction Success 610
Freight Record 390
"Fruit Flier" 417
Good Performance 411
"Harris Trains" 417, 444, 650
"Harris Trains," Advertising On 444
Labour Dispute, Settlement 560, 673
Last of Its Kind *499
Level Crossings 417
Long-Welded Rails 130
Melbourne-Albury Line Automatic Signalling *419(map)
Melbourne Area Developments... 417
Movement of Surplus Wheat ... 216
Overpass, Lengthening of ... 216
Radio Telephones 439
Recruits 354
School Children Control Trains 533
"S" Class Locomotives... ... 444
Spencer Street Station 298
"Spirit of Progress," Timing ... 8
Standard-Guage Construction ... 188
Station Parking 534
Stations, Closure of 304
Stations, Unmanned at Night ... 560
Suburban Line Doubling... ... 560
Suburban Stations and Overbridges 704
Superannuation 183
Upper Ferntree Gully Construction 534

W

Wages and Salaries:—
Assistant District Engineers ... 498
B.R. Motor Drivers' Dissatisfaction 665
Company-Owned Bus Undertakings Pay Claim ... 348, 460
London Transport Pay Increases 116
More Money Required ... 437, 498
National Council for the Omnibus Industry 432, 636
New South Wales Railways ... 589
New Zealand Railways, Night Shift Pay and Conditions Enquiry 732
Railway District Engineers ... 498
Railwaymen's Wages ... 144, 204

Wages and Salaries:—(*contd.*)
Railway Salaried and Conciliation Staff 519
Railway Salaries 385, 548
Too Little and Too Late... ... 697
U.S.A. Railway Unions' Demands 534
Victorian Railways, Labour Dispute Settlement... ... 560, 673

Water Supply:—
U.S.S.R. Boiler Water Treatment 186

Welding:—
B.R., Track Surfacing by Welding 699
Combined Hard Hat and Welding Shield *174
Crompton Parkinson Limited, Stud Welding 175
Electrode 601
Electrode for Mild Steel 344
Spot-Weld Remover 84
Welding Electrode 428
Welding Equipment *688
Welding Rods 545
W.R., Weld Examination by X-Ray *393, 532

Western Australian Railways:—
Annual Report 727
Contracts, Orders and Tenders ... 666
Damage from Bushfires 304
Development 473
Exhibition Vehicle 188
Film Shows for Passengers ... 444
Freight Wagons 203
Great Southern Railway, Rehabilitation 156
Midland Railway, Exit Steam ... 417
Midland Railway Traffic Returns 666
Progress 672
Rail and Road Service Receipts... 444
Railway Modernisation 672, 684(map)
Standard-Guage Construction ... 182, 368, 390
Track Recorder Car 361
What a Railway Buys ... 642, 726

Works Managers, Institution of:—
International Conference ... 434

World Bank
Finance for Queensland Railways 674
Loan sought by Sudan Railways 579
Loan to Burma 179, 182
Loan to Costa Rica 263
Loan to Indian Railways... 526, 676
Loan to Japanese Railways ... 526
Loan to Thai Railway 494
Mission to Chile 669
Report on Argentine Railways ... 100
Survey of Colombian Transport... 583

PUBLICATIONS RECEIVED

Air-Conditioning Equipment ... 73
Air Pumps Compressor Pamphlet... 589
A.E.I. Engineering 157
Auf den Schienen der Erde: Eine Weltgeschichte der Eisenbahn (On the World's Rails: A World History of Railways) By Erwin Berghaus 157
Barabox Steel Box Pallets 157
Beclawat News 418
Benguela Railway 8
British Locomotives... ... 150, 157
British Railways Camping Coaches 361
British United Traction Diesel Rail Power 41
Calendars for 1961 41
Complete Service in Industrial Heat Engineering 390
Crompton High-Wattage Lamps... 390
Diesel Fuel Injection Stockists ... 361
Die Steels 361
Dorman Long Illustrated 1960 ... 41
Dry Bearings & Materials... ... 361
Dun & Bradstreet's Guide to Key British Enterprises, 1961 ... 157
Duraglas Glass Fibre 418
Electric Furnaces for all Industries... 619
Engineer Buyers' Guide 245
Engineering Handbook, 1961 ... 670
English Electric Journal, The, March, 1961 361
Esso Magazine 217
Evershed, F. H. P., Motor Leaflet... 500
Evertaut Seating 361
"Facts and Figures" ... 41, 379
Fifty Years of Growing Rubber ... 273
Financing Industrial Equipment ... 217
Fluid Power Systems 217
French Railways Travel Literature... 245
Glacier Bearing Repair Service ... 273
Go by Train in Europe (Summer, 1961) 245
Goods by Air 73
Holiday Cruises 73
Holidaymaking, 1961 ... ... 3, 9
Holidays for the Motorists ... 189
Holidays in France 273
Holidays in Scandinavia 273
Hotels and Restaurants in Britain 217
How To See London 589
Impalco Aluminium Extruded and Drawn Products 157
Japanese National Railways 34, 41, 379
J.W.P. Service Tools 619
Kempe's Engineers' Year-Book, 1961 217
Last Main Line, The 500
Les Locomotives 230B P.L.M., By Lucien Vilain 189
L'Exploitation Technique du Chemin de Fer: La Securité du Transport (Safety in Railway Operation) By André Lemonnior 73
Locomotives of the Great Western Railway, Part 8: Modern Passenger Classes 189
Metal Industry Handbook and Directory 619
Middlesex Pre-fabricated Buildings 9
Middlesex Sectional Buildings ... 273
Mills Switch Heater... 418
Motorcars via Harwich and the Hook 273
Motorcoach Tours on the Continent 273
North British Steel Foundry ... 245
North Eastern Electrics, by K. Hoole 619
North Eastern Express 390
Notes on Process Selection and Filler Electrode Materials ... 245
No Warning Light for Wear ... 500
Pacific Steam: The British Pacific Locomotive. By Martin Evans 418
Party Outings by Rail, Road and Steamer 361
Party Trips in the Scottish Region... 273
Pennine Journey. By William B. Stocks 157
Pressure Grouting 390
Radiation Protection Catalogue ... 500
Railway Locomotives. By J. R. Day and B. K. Cooper ... 157
Railwayman. By Christopher Vincent 9
"Railway Policeman, The" ... 727, 731
Railways: British Railways from Their Beginning Until 1960. By G. C. Allen 217
Railways of Britain: An Historical Introduction. By Jack Simmons 273
Rapier Water Pumps 418
Recirculating Ball Nut and Screw ... 589
Rigiflex With Lubrithene/A ... 361
Royce Hump-Back Conveyor Furnaces 589
Russian Steam Locomotives. By H. M. Le Fleming and J. H Price 73
Silicone and Silastomer Products ... 245
Solus- Schall Non - Destructive Testing 9
S.I.F. Welding Techniques ... 273
Sliding Head Automatic 589
Spire Speed Nut Manual 500
Summary of Annual Reports of Traffic Commissioners, 1959-60... 9
Summary Sheets of British Standards for Steel 189
Summer Holidays in Great Britain and Ireland 245
Tarmac Group Activities 273
Tesatest Dial Indicators 245
This is United Steel 189
Tipdex Filing Cabinets 157
Tornado Blowers and Exhausters ... 390
Turner Glass - Fibre Woven Tapes 418
Turners Duraglas Tapes 390
Units of Weights and Measures (United States Customary and Metric), Definitions and Tables of Equivalents 589
Vapour Pressure Thermometers ... 589
V.P.I. Coated Papers for Rust Prevention 157
Vurig Spoor (Track of Fire). By Henri Asselberghs 189

RAILWAY AND OTHER MEETINGS

Aldershot & District Traction Co. Ltd. 724
Beyer, Peacock & Co. Ltd., A.G.M. 577
Birmingham & Midland Motor Omnibus Co. Ltd., A.G.M. ... 550
B.E.T. Omnibus Services Limited ... 667, 724
British Iron & Steel Federation, A.G.M. 381
Costa Rica Railway Co. Ltd., A.G.M. 490
Devon General Omnibus, Meeting... 434
Dorman Long & Co. Ltd. 178
English Electric Group ... 266, 291
Midland Railway Co. of Western Australia Ltd., A.G.M. 577
Permanent Way Institution, Annual General Meeting 147
Pondicheri Railway Co. Ltd. 580, 670
Railway & Canal Historical Society A.G.M. 579
Railway Development Association, Midland Area, A.G.M. 434
Stewarts & Lloyds Limited ... 234
Trent Motor Traction Co. Ltd., A.G.M. 407
U.I.C./F.I.A.V. Meeting 549
Vulcan Foundry Limited 266, 291, 526
West European Railway Administrations, Annual General Meeting 723

RAILWAY AND OTHER REPORTS

A.A.R. Report for 1960 126
Beyer, Peacock & Co. Ltd. 466, 577
British Electrical & Allied Manufacturers Association 298
Burma Railways in 1958-59 ... 68
Census of Production for 1958, Report 550
Central Transport Consultative Committee... 383
Chinese Railways, Kowloon-Canton Railways 183
City & Guilds of London Institute 382
Committee on Rural Bus Services... 325
Crossley Bros. Ltd. 491
Denver & Rio Grande Western Railroad 469
E.A.R. and Harbours 643
Emu Bay Railway Co. Ltd. ... 463
E.C.M.T. Annual Report 495
F.B.I. Reports on Spanish Market 494
Ghana Railway & Harbours ... 267
Indian Railways Inspectorate in 1959-60 646
International Bank for Reconstruction and Development 329
Londonderry & Lough Swilly Railway Company 352
Malayan Railways 413
Mansion House Association ... 295
Metropolitan-Cammell Carriage & Wagon Co. Ltd. 526
National Committee on Road Transport Education, Annual Report... 491
Netherlands Railways, 1960 ... 726
New South Wales Railways... ... 357
Nigerian Railways, 1959-60 ... 468
Nigerian Railways Elias Report ... 37
Norfolk & Western Railway ... 728
Patent Office, Comptroller-General's Annual Report 582
Pullman Car Co. Ltd. 238
Queensland Railways, 1959-60 ... 269
Report on the Census of Production for 1958 323
"Royal Commission on Local Government in Greater London" 299
Royal Commission on Transportation 438, 439
Select Committee on Nationalised Industries 467, 486, 522
South African Railways 301
South Australian Railways ... 646
Standing Committee (General Merchandise) 375
Stone, J., & Co. (Deptford) Ltd., Progress 642
Swiss Railways, Management Report 495
Transport Tribunal 696
Ulster Transport Authority 240, 263
U.S.A. Railways, Annual Reports 700
Victorian Railways in 1959-60 ... 384
Western Australian Railways ... 727

PERSONAL

†Signifies Deceased

Abraham, Dr. R. J. D. 82
Adams, Richard 172
Adeane, Sir Robert 713
Adorian, Paul 171
Ahlgrimm, H. 314, *370
Alexander, H. M. 226, *256
Allan, Roy *139
Allan, W. N. 632
Allen, K. G. 670
Allen, R. A. H. 83
Allen, W. D. 83
Alonzo, M. 544
Amos, J. 544, 599
Amyot, R. L. *55
Andrews, F. A. B. 172
†Apthorpe, W. H. 544
Arbuthnott, H. J. 172, 173
Archer, Malcolm H. ... 173, *197
Arkle, E. W. *483
Arkle, Harry ... 342, *370, 426
Armand, Louis *22
Armitage, P. R. 172
Armstrong, John McWhinnie ... 172
†Armstrong, R. J. *255
Asgill, F. C. 599
Association of British Travel Agents 342
Atherton, J. 171
Atkinson, J. E. 173
Austen, A. E. W. 171
Austin, J. L. 658
Ayers, C. *83
Ayre, R. 226
Ayre, R. H. 109
Ayres, Sir Reginald 569
Ayton, A. 173

Bailey, Duncan *171
Bailey, J. C. 455
Bailey, Russell *171
Baker, A. W. 482
Baker, Edwin G. 198
Ball, S. W. 110
Balmer, J. 599
Banerjee, I .N. 456
Banks, Sir John 173
Barnard, C. F. 669, 686
Barnes, Miss Daphne 456
Barnes, E. W. 426
Barr, A. A. 342
Barr, Charles Arthur 172
Barr, G. M. 226
Barr, R. 456
Barr, W. 83
Barrington, C. 371
Barstow, J. A. T. 21
Basset, R. L. 256
Batchelor, W. H. 658
Bates, H. D. 658
Batt, B. 482
Batty, W. R. 713
Beacham, Professor A. 544
Beatty, W. F. *109, 173
Beeching, Dr. R. 325, 327, *341, 345
Beharrell, George Edward 2, 22
Beirne, F. J. 483
Bell, R. E. H. 172
Bellamy, J. *82
Bender, P. J. F. 255
Best, A. W. 289, *455
Beyer, Peacock & Co. Ltd. 2, 21
Beynon, P. 516
Bickley, J. L. 483
Binnie, G. M. 632
Bird, H. T. 515
Birdsall, E. F. 632
Birley, T. E. H. 172
Bisby, N. 83
Bishop, E. B. 456
Black, A. S. 198
Blackmore, F. 482
Blagbrough, R. W. K. 455
Bloomfield, G. F. 483
Blundell, J. H. 456
Boath, A. B. 289
Boivin, J. A. O. 81
Boniface, B. B. 173
Botha, R. H. *369
Bovill, J. O. 342
Bowes, H. Leslie 173
Bowlby, Sir Anthony 342
Bowra, W. C. 81
Bowyer, K. J. P. 658
Bowyer, R. P. 658
Boyd, W. P. *657
Boydell, E. 172
Boyer, H. F. 632
Bradfield, A. S. E. 341
Bradley, H. 83
Bradley, J. 342, *401
Brawn, A. J. 686
Brazier, H. L. 631
†Brearley, A. E. 110
Brebner, J. H. ... 353, *371, 426
Bridges, G. F. *687
Bridges, P. E. 55
Bright, L. S. 598
Brighton, J. L. 173
British Railways 81, 109, 173, 225, 255, 289, 314, 401, 515, 687, 713, 747
British Standards Institution ... 342
British Transport Commission 173, 198, 341, 371, 426, 454, 483, 516, 543, 569, 598, 631, 658, 713, 747
Brooke, N. R. R. 171
Brooks, F. H. 713
Brooks, W. F. 110, 171
Broomhead, A. 171
Brown, G. A. 83
Brown, G. F. *255
Brown, J. 483
Brown, W. *81
Browne, A. M. 342
Brownlee, W. 402, *544
Bruce-Gardner, Sir Charles ... 314
Bruneau, A. A. 455
Bryan, E. 173
Buchanan-Dunlop, C. J. 516
Bucher, Sir Roy 83
Buik, D. K. 426
Bulman, W. E. *288, 569
Bunting, J. S. A. 658
Burger, Lewis J. 632
Burgess, E. F. 172
Burnell, J. B. 454, *515
Burnett, C. W. 314
Burton, H. 255
Busby, C. J. 686
Bush, K. J. 632

Caffyn, E. E. 172
†Calverley, J. E. 516
Cameron, M. A. 173
Campbell, A. 598
Campbell, A. H. 713
Campbell, I. M. 454
Campbell, J. G. 632
Campbell-Cullen, K. 83
Canadian National Railways 81, 109, 173, 198
Capes, R. S. H. 172
Care, Norman 171
Cargill, I. P. M. 455
Carle, J. 370
Carling, A. F. R. 516, 713
Central Transport Consultative Committee... 173
Chadwick, T. R. 402
Challis, W. H. 569, *631
Chalmers, P. 632
Chamberlain, D. N. 544
Chambers, S. P. 426
Chambers, S. S. 748
Chandos, The Rt. Hon. The Viscount 313
Chappelle, H. 172
Charlton, E. O. 172
Charrington, Sir John 426
Cherry, W. N. 599
†Cheston, B. 289
Childwick, C. A. 173
Chopping, W. D. 686
Clapham, M. J. S. 455, 657
Clark, J. H. 314
Clarke, B. R. D. 172
Clarke, D. G. 173
Cleaver, C. D. 515
Clegg, W. *83
Clitheroe, The Rt. Hon. Lord 544, 748
Clotworthy, S. E. 172
Clough, J. A. 456
Cocks, C. S. 713
Coffey, Guy J. 658
†Coldwell, J. D. 172, 632
Cole, A. Lawes 658
Cole, D. A. 56
Coleraine, Rt. Hon. Lord 482
Collinson, H. 173
Collingwood, G. 22, 313
Collis, H. J. N. *319
Colquitt, G. 456
Combustion Engineering Association 426
Cook, D. 226, *314
Cooke, E. J. 81
Cooke, G. 314
Coombs, D. H. 314, *543
Coombs, F. B. 516
Cooper, H. E. 171
Cordell, E. A. *140
Cotterill, Miss Nellie ... 2, 22
Coughtrie, T 198
Coultas, R. M. 455
Coultate, F. A. 173
Court, W. B. R. 599
Coventry, A. F. 173
Cowie, N. F. *287
Cox, E. S. 326
Cox, H. E. 482
Cox, S. F. 226, *314
Craig, H. 255
Craig, J. W. 255
Craig, T. 22
Crane, M. A. *21
Criddle, J. H. 289
Crighton, A. R. 713
Crockett, A. 314
†Croft, Sir Arthur 256
Croft, A. R. 632
Croft, J. A. 256
Croxton, A. H. *140
†Crozier, W. 255
Crump, N. R. 226, *287
Crump, S. V. J. 632
Cuerel, J. 455
Culling, F. G. 198
Cuthbert, E. 21

Daglish, P. J. 314
Dalby, C. R. 426
Dale, W. 658
Dalton, E. *82
Dalton, Vice-Admiral Sir Norman... 172
Daniel, P. 515
Dannatt, Dr. Cecil 2, 22
†Dannatt, E. H. 516
Danskin, G. R. 713
Davey, B. E. 713
David, L. G. 197
Davidson, Dr. W. 256
†Davies, E. H. 314, 426
Davis, A. W. 454
Davis, J. S. S. 172
Davis, S. 256
Davison, E. H. 172
Dawson, W. Newton 342
Dean, A. 632, 669, *686
Dedman, J. W. *56
de Grey-Warter, H. 342
De Guingand, Sir Francis 544
Delacour, J. L. *342
Dell, R. 569, *631
Demcoe, J. W. 81
Denham, H. W. 426, *454
Dent, A. E. C. *289
Devlin, T. P. 483
Dhavernas, J. M. 370
Dickie, W. D. 483, *543
Dickinson, J. W. 82, *110
Dickson, Charles F. 172
Dingwall, R. 544
Dodson-Wells, G. ... 426, *454, 658
Dove, C. 686
Downe, Viscount 83
Downes, J. S. 82
Drabwell, A. R. 173
Dravers, W. M. 713
†Drummond, W. D. 402
Ducas, R. 172
Duke, G. 314
Duncan, E. F. 172
Du Plessis, D. H. C. 173, 287, *313, 353
Durie, A. C. 172
Dyson, S. I. 173

Eagers, H. 515, *544
Eastern Region 255
Eato, T. G. *82
Eberhard, Harmon S. 687
†Edsforth, Charles D. 197
Edwards, H. N. 110, 482
Edwards, J. R. 456
Egbuna, J. C. *288
Eggington, J. Foley 658
Ellaby, W. J. 82
Ellen, E. R. 658
Ellery, R. J. 198, 713
Ellett, E. J. 314
Elliott, G. D. 426
Ellis, T. B. 713
Else, J. 226, 342
Elson, J. V. 543
Elstub, St. John de H. 455
Emerson, Sir Rolf B. *482
Epelle, S. 226
Errata... ... ... 22, 110, 426
Erratum 516
Etheridge, H. A. 109, 198
Evans, R. E. 713, *747
Evans, S. F. 56
Everard, Lt.-Col. H. B. ... 516, *598
Everard, W. H. 456

Fairbairn, D. 370
Farquharson, J. J. 198
Farquharson, Sir James *81, *579, 609
Farringdon, E. L. 598
Fawcett, D. F. 173
Fell, J. C. T. 342
Fergus, J. L. 426
Fiske, T. 687, *713
Flack, B. R. 173
Flack, Mr. 658
Flory, K. S. 342
Fortune, G. W. E. 342
Fossett, S. C. H. *225
Fraenkel, P. M. 455
Franklin, N. 658
Fraser, D. K. 171
Freed, Louis T. 110
Freeland, D. J. 686
Freeman, L. B. 483
Fuller, Albert G. 198
Fullerton, J. 287

Gaffney, M. P. 342
Galbraith, J. W. ... 173, *225
Galbraith, W. A. 171
Gamage, Sir Leslie 289
†Garratt, A. J. 226
Garrett, Sir Ronald 173
Garstang, C. 342
Garton, C. G. 173
Gascoigne, E. F. O. 172
Gaskell, S. A. 198
Gaskill, M. S. 426
George, L. B. 483, *543
Germaine, T. A. 687, *713
Giffin, J. H. 22, 658
Gillott, C. 632
Gilmore, A. 342, *401
Gilmour, W. 197
Gimson, N. H. 632
Ginns, H. U. 83
Glassborow, P. W. ... 255, *402, 426
Gleghorn, A. G. 172
Glen, I. T. 632
Godber, Lord 402
Golde, Dr. R. H. 173
Golding, E. W. 173
Golding, W. V. 544
Goldthorpe, H. 110
Gonder, D. N. 81
Goodfellow, D. 173
Goodge, F. W. 516
Gordon, Lionell Ingersol 22
Gordon, R. A. 173, *313
Gormley, C. P. 598
Gosland, L. 173
Goss, S. H. 172
Gow, C. 22
Gower, H. 544
Graham, R. 81
Grand, K. W. C. 173
Granville, A. 198
Granville, Keith 599
Gray, Dennis W. 198
Green, A. E. 599
Green, B. B. 455
Green, H. C. 370
Greenhill, A. 289
Gregory, Dr. E. 455
Grezo, A. G. M. 455
†Gribble, Conrad 687
Griffith-Jones, M. A. 172
Griffiths, S. 342, *401
Grover, D. C. J. 569
Guavel, Henry 109, 198
Guillan, Lt.-Col. S. C. 456

Hadfield, James 2, *21
Hadfield, N. M. 172
Hadfield, P. McC. 172
Hadfield, R. J. 21
Haigh, F. 456
Hall, F. J. S. 173
Hall, H. L. 569
Hall, W. A. 632
Hampson, J. E. 632
Hannoyer, C. M. *341
Harbottle, M. 402, 483
Hardy, S. *426
Hargreaves, Brigadier K. 426
Harker, G. T. 543
Harrison, J. E. S. 289
Harrison, J. F. ... 569, 725, *748
Harrison, L. C. 658
Harrison, T. R. 569
Hart, A. H. 483
Hart, G. Arnold 198
Hathaway, F. G. ... 172, 456, *516
Hawkins, A. M. *139
Hawkins, H. C. 426
Hawkins, L. A. W. ... *139, 197
Hawks, F. W. 402
Hayel, G. A. N. 454
†Hays, D. 198
Hayter, C. H. 516
Hazlehurst, R. H. 171
Hearn, A. 110
Heaton, R. N. 632
Hemming, W. R. 313
Henderson, W. B. 456
Henfrey, C. T. 669, *686
Henneker, P. J. 401
Herbert, T. M. 543, *598
Herrington, H. G. 172
Hesselden, R. B. 456
Hibbs, J. A. B. 255
Higginbotham, W. H. 455
Hignett, H. W. G. 370
Hill, T. U. 255
Hills, A. T. 658
Hippert, D. G. 456
Hird, A. H. 482
Hirst, J. H. 426
Hock, A. G. 455
Hodge, D. 289
Hodkinson, F. W. 713
Holt, Charles 22, *56
Hooker, R. G. 171
Hoult, D. M. 81
Howard, W. A. 109, 198
Howells, E. A. C. 483
Howes, R. S. 516
Hudson, J. 226, *288
Hughes, C. A. 173
Hughes, W. E. 482
Hugo, J. P. 287, *313, 353
Humphreys, O. W. 172
Hundy, Dr. B. B. 516
Hunt, W. G. 686
Hunter, Sir Ellis 2, 22, 455
Hunter, E. J. 456
Hymus, W. C. 81

Ibbotson, L. W. *255
Illingworth, J. 83
†Ince, Sir Godfrey 83
Industrial 110, 171, 198, 256, 289, 313, 342, 370, 402, 426, 455, 482, 516, 544, 569, 598, 632, 657, 713
Innes, R. K. 748
Institute of Metals 456
Institute of Traffic Administration... 658
Institute of Transport ... 371, 544
Institution of Civil Engineers ... 632
Institution of Locomotive Engineers 173, 456, 569, 748
Institution of Mechanical Engineers 456
Institution of Railway Signal Engineers 173, 456, 516
International Union of Railways ... 22
Institution of Works Managers ... 456
Ireland, S. H. 598
Irons, A. 686
Irwin-Childs, F. 455

Jackman, Mrs. K. 83
Jackson, H. Arnold 658
Jackson, Tom 658
Jackel, F. H. 256, *288
James, C. D. 313, *456
James, N. A. C. 456
James, R. R. *425
James, R. T. 713
James, W. P. 226, 342
James, W. T.... 198
James, William Thomas 171
James, Horace 713
Jardine, D. C. 658
†Jeffrey, A. C. 456
Jelly, T. 172
Jenkins, T. K. 370
Jenkins, W. G. A. 455
Jennings, R. C. 516
Johnson, A. 171
Johnson, A. J. 658
Johnson, Dar 171
Johnson, L. C. 516, 658
Johnston, A. W. 82
Johnston, J. R. Y. 454
Joint, Sir James 171
Jolly, B. N. 172
Jones, L. H. E. 342
Jones, R. S. 747
Jones, W. T. 748
Joyce, D. H. 173
Joyce, D. H. F. 172
Joyce, J. P. 686
Jubir, Honourable Enche Sardon Bin Haji *569
Judge, R. T. 455

Kaukas, A. B. ... 173
Kay, Dr. J. M. ... 544
Keith, L. ... 198
Kelly, C. L. ... 569
Kemp, A. R. ... 516
Kendall, H. ... 515
Kenkel, J. C. ... 342, 483
Kennedy, H. G. ... 21
Kerr, Major-General Sir Reginald 599
Kerr, T. Ainslie ... 109, 198
Kerr, T. B. O. ... 172
Kesseler, S. J. ... 255
Kheradjou, A. G. ... 455
Kindon, K. A. ... 581, 599
King, J. R. ... 341
King, P. ... 287
Kirby, A. S. ... 197, *226
Kitchen, J. W. ... 658
Klodniski, N. A. ... 483
Knight, G. C. ... 173
Kruger, J. A. ... *369
Kyle, W. H. ... 81

Lacey, G. W. ... 482
Lal, S. P. ... 313, *425
Lamb, J. ... 314
Lambert, M. G. E. ... 658
Lambert, P. ... 314
Lancaster-Jones, P. F. F. ... 632
Langlands, J. S. ... 198
Latham, Sir Joseph ... 172
Laurens, J. P. ... *369
Lawrence, H. ... 482
Lawrence, R. L. E. ... 658
Layhe, A. C. ... 632
Leake, S. H. ... 56
†Lees, Edwin ... *289
Leevers, K. ... 172
Lemass, F. ... 599
Levesley, Brigadier A. ... 456
Levy, M. M. ... 109
Lewin, J. ... 342
Lewman, H. W. W. ... 173
Life Peer ... 342
Lindgren, George Samuel ... 82, *110
Lindley, Arnold ... 172
Lindley, W. ... 658
Lintern, Reep ... 22
List, W. F. ... 342
Lloyd, Ernest ... 483
Lloyd, F. J. ... *515
Lloyd, L. ... *371
Lockspeiser, Sir Ben ... 342, 544
Lockwood, W. ... 456
London Midland Region ... 255, 402, 515, 748
London Transport Executive ... 198, 402, 515, 658
Longden, H. A. ... 516
Lovecy, A. ... 456
Lovegrove, J. P. ... 313, *456
Low, Rt. Hon. Sir Toby ... 482
Lumley, E. P. ... 544, *599
Lyon, E. C. E. ... 483, *631

Macaskil, N. L. C. ... 516
McBride, W. J. ... 456
McCall, J. M. ... 402
McDonald, J. A. ... 81
McDonald, J. Y. ... 172
Macdonald, Kenneth Mackenzie ... *140
MacDougall, J. W. G. ... 748
McGregor, L. S. ... 173, *226
McHugh, F. ... 83
Mackay, G. P. G. ... 609, *632
McKellar, A. ... 314
McKie, R. ... 83
Mcleman, H. L. ... *657
McLeod, C. S. ... 669, *686
McMillan, J. R. ... 81
McMorran, N. R. ... 632
MacNair, Alex. ... 658
McNeill, N. A. ... 426
McPherson, W. D. ... 81
Maiden, E. ... 341
Mallam, C. S. P. ... 713
Mansion House Association on Transport ... 483
Margetts, F. C. ... 83
Marples, Rt. Hon. Ernest ... 483
Marshall, J. ... 83
Marshall, J. H. ... 686
Marson, J. P. ... 456
Martin, Frank E. ... 687
Martin, H. ... 172
Maskell, W. A. C. ... 455
Mason, C. ... 110
Mason, Kenneth F. ... *82
Masterson, W. T. ... *55
†Mather, W. A. ... *55
Matterson, R. K. ... 370
Matterson, W. C. M. ... 370
Matthew, Dr. T. U. ... 482
May, R. R. ... 342
Meddings, T. E. ... 198
Meunier, M. R. ... 109
Millar, G. E. ... 544
Millar, R. N. ... 172
Miller, A. O. ... 598
Miller, B. R. ... 658
Miller, J. ... 686
Millidge, C. E. R. ... 342
Ministry of Labour ... 83
Ministry of Transport 56, 83, 226, 289, 342, 371, 483, 632
Mitchell, J. R. ... 569

Mohamed, A. L. ... 686
Mohan, Anand ... 370, *425
Molson, A. E. H. ... 342
Moore, R. E. ... 456
Morgan, E. L. ... 455
Morgan, W. P. ... 658
Morling, N. A. ... 172
Morris, H. B. ... 110
Morris, T. J. D. ... 658
Morris, W. A. C. ... 483
Morse, Sir Arthur ... 2, 22
Morton, W. D. ... 172
Moyse, R. J. ... 455
†Mugniot, E. ... 544
Muir, J. M. ... 109
Mukerjee, K. K. ... *198
Mulholland, P. D. ... 454
Mullens, H. H. ... 342
Munns, J. H. ... 342
Murray, C. ... 172
Myatt, G. J. ... 198

National Coal Board ... 569
Newcombe, K. ... 370
Newman, F. J. ... 172, 289
Newton, R. H. ... 171
New Year Honours ... 22, 56
Noakes, G. F. ... 82, *198
Noel, R. A. ... 173
Norman-Thomas, D. ... 426
North, C. J. ... 483, *515
North, W. F. ... 173, 198
Nunn, H. ... 747

Oakley, W. F. ... 658
Oates, E. L. ... 598
Obituary 289, 314, 371, 402, 426, 456, 483, 516, 544, 687, 748
O'Brien, J. ... 81
O'Callaghan, J. A. ... 342
Oddie, J. M. ... 658
O'Hagan, J. ... 173
Oldroyd, J. ... 256
O'Neil, H. ... 370
Orford, W. C. ... 632
Osgathorpe, R. W. ... 686
Overseas 173, 197, 226, 255, 313, 342, 369, 456, 483, 516, 543 569 598, 632, 657, 687, 748
Owen, C. H. M. ... 455
Oxford, L. G. ... 172

Packham, L. G. ... 342
Page, A. W. ... 172
Paige, H. J. T. ... 341, *515
Palmer, C. G. ... 341
Palmer, Howard C. ... 110
Parker, A. S. ... 569
Parker, C. J. ... 658
Parkinson, E. ... 482
Parkinson, H. ... 482
Parkinson, W. ... 599
Parnell, S. ... 516
Parr, G. H. ... 342
Parsons, A. M. ... 713
Paterson, A. ... 226, *401
Paterson, G. H. ... 173
†Pearson, G. H. ... 226, 262
Pearson, G. R. ... *657
Pease, A. ... 483
Peel, J. A. ... 83
Pegrum, Joseph William Stanley 2, 22, *56, 110
Penn, H. J. ... 370
Pepper, A. R. ... 314, *454, 516
Perfitt, R. J. L. ... 173
Perkins, S. W. ... 713
Permanent Way Institution ... 713
Perren, J. L. ... 426, *454
Peterson, W. H. ... 455
Pharneuf, F. P. ... 109
Phillips, C. B. M. ... 543
Phillips, F. A. O. ... 226, *256
Phillips, R. H. ... 289
Pickersgill, A. ... 83
Pickford, A. C. B. ... 181, *197
Pilkington, B. J. ... 658
Pilkington, J. F. ... 401
†Pilstick, Gustav E. ... 371
Plastow, L. S. ... 599
Platt, K. H. ... 171
Playfair, Sir Edward ... 713
Pode, Sir Julian ... 110, 370
Pole, C. G. Tudor ... 455
Porter, John W. ... 110
Potter, A. ... 172
Powell, Harold Hamilton 2, 22, *109
Powell, R. J. ... 401, *426
Price, W. J. ... 83
Prior, W. E. ... 544
Pritchard, G. O. ... 171
Pritchett, C. ... 482
Public Transport Association 516, 713
Published Will ... 371
Pugh, L. R. P. ... 172
Pullen, C. J. ... 686
Purkiss, S. G. ... 686
Purvis, W. E. ... *369
Pym, Major Sir Charles ... 173

Quail, N. R. ... 197, *256
Queen's Birthday Honours List 669, 686

Radcliffe, N. T. ... 657
Rafferty, J. ... 83
Raghavan, V. S. V. ... 173

Railway Gazette ... 456
Railway Staff National Tribunal ... 371
Randall, B. T. ... 82, *109
Randall, R. ... 402, *569
Ratcliffe, T. W. ... 255, *402
Raymond, S. E. ... 631, *747
Read, Dr. J. C. ... 314
Readman, N. ... 658
Reddell, A. E. ... 172
Redhead, E. ... 748
Redmond, G. J. ... 657
Redmond, H. ... 657
Reid, R. B. ... 713, *748
Rendall, E. ... 172
Renwick, J. ... 313
Reynolds, D. J. ... 426
Rezelman, C. ... *369
Rhodesia Railways ... 122, 139, *147
Richards, Harry ... 172
Richardson, G. C. ... 482
Richmond, C. A. ... 455
Richmond, T. ... 482
Rintoul, S. F. ... 82
Ritchie, James ... 172
Ritchie, J. L. ... 172
Riverdale, Lord ... 713
Road ... 198
Roberts, C. T. ... *255
Roberts, Granville ... 173
Roberts, J. M. ... 226, *287
Roberts, Sir Peter ... 713
Roberts, T. S. ... 83
Roberts, W. N. ... 434 *631
Robertson, Sir Brian 325, *341, 345, 581, *635, 669, *686
Robertson, Cyril Stanton ... *140
Robertson, D. J. C. ... 110
Robinson, F. ... 83
Robson, G. W. ... 569, *599
Robson, R. ... 109
Rogan, E. P. ... *109, 197
†Rogers, Sir Alexander ... 426
Rootes, Hon Geoffrey ... 456
Ross, F. A. ... 456
Ross, V. J. ... 370
Rossins, B. G. ... 171
Rotherham, L. ... 544
Rowell, S. C. ... 173
Rowley, H. ... 173, *225
Royston, J. ... 658
Rumley, Leslie ... 171
Russell, J. P. ... 81
Ryan, W. D. G. ... 82

Sallis, R. ... 599
Salmon, W. G. ... 314
Samuel, H. ... 173
Samuel-Gibbon, John Rhys Colwyn ... 516
Sandall, R. St. C. ... 171
Sanders, C. W. ... 483
Sands, G. E. ... 173
Satchell, H. L. ... 482
Savory, G. E. ... 172
Sayer, Dr. E. R. ... 598
Scholey, R. ... 516
Scott, J. ... 713
Scott, James Bryan ... 22
Schubert, Johann ... 2, *22
Scutt, C. ... 341
Seal, K. S. ... 314
Sempie, R. ... 598
Sen, P. C. ... 173
Sewter, J. C. ... 197
Sharpley, J. H. A. ... 172
Shattock, B. A. ... 172
Shaw, C. S. ... 569
Shinn, G. F. ... *55
Siepmann, H. A. ... 713
Silverlock, P. R. ... 402
Sim, H. I. ... 226
Simpson, G. ... 748
Simpson, J. L. ... 483, *543
†Sinclair, G. F. ... *748
Sinclair, I. D. ... 226
Sinclair, W. D. ... 314
Singer, T. K. ... 172
Singh, H. D. ... *632
Slade, Hector V. ... 172
Sliney, L. G. F. ... 426
Smith, A. ... 173
Smith, B. L. ... 456
Smith, C. ... 632
Smith, C. J. ... 173
Smith, D. A. ... 110, 171
Smith, Dr. Esmond W. ... 198
Smith, F. W. G. ... 173
Smith, G. W. Quick ... 599
Smith, H. E. ... 197
Smith, K. A. ... 197
Smith, Neville ... 110, 171
Smith, S. ... 81
Smith, S. E. ... 172
Smith, W. C. ... 426
Soane, L. J. ... 109
Sobell, M. ... 482
Southern, J. J. ... 515
Spencer, G. A. ... 482
Spencer, H. F. ... 314
Spencer, W. ... 173
Stafford, F. L. ... 455
Standring, I. W. ... 544, *599
Staron, T. ... 482
Stedeford, Sir Ivan A. R. 669, *686
Stephens, F. J. ... 402
Stephens, P. T. ... 171

Stephens, R. R. ... 456
Stephenson, W. N. ... 401
Stevens, H. L. W. ... 483
Stevens, N. F. ... 516, *598
Stevenson-Jones, R. ... 456
Stone, F. V. ... 256
Stott, E. ... 342
†Street, R. G. M. ... 173, 544
Strick, R. ... 455
Studholme, J. D. ... 456
Summers, R. F. ... 110
Summerson, T. H. ... 483
Sutcliffe, G. S. ... 172
Swan, C. H. ... 226, *454
Swinden, F. R. ... 569
Sykes, Alex. ... 179

Taylor, D. R. ... 454, *631
Taylor, D. W. ... 516
Taylor, F. P. B. ... *747
Taylor, Dr. James ... 657
†Taylor, J. G. ... 83
Taylor, J. L. ... 173
Taylor, M. R. ... 198
Taylor, Sir Reginald ... *81
Teasdale, D. D. ... 171
Thomas, I. ... 198, *657
Thomas, M. ... 516
Thomas, R. H. ... 173
Thompson, Sir Edward ... 426
Thomson, W. E. ... 341, *402
Thornicroft, R. H. ... 171
Thurgood, B. A. ... 198
Tomlinson, F. W. ... 370
Toneri, E. A. ... 173
Toogood, G. D. ... 256
Townsend, E. L. ... 455
Trade Union ... 314
Transport Tribunal ... 516
Transport User's Consultative Committees East Midland Area ... 658
Transport Users' Consultative Committee, North Western Area ... 658
Transport Users' Consultative Committee, Wales and Monmouthshire 544
Transport Users' Consultative Committee, Yorkshire Area ... 83
Trigg, E. J. ... 110
Trotter, D. M. ... 173, *288
Trump, A. L. ... 171
Tuja, Jean Alfred ... *22
Tuley, J. P. A. ... 173
Turner, E. ... 598
Turner, J. A. R. ... 713
Tutein, F. ... 314, *370

Urquhart, J. G. ... 197, *225

Van Horne, Sir William ... 109
Varley, J. ... 342
†Veitch, W. A. ... 55
Vesey, W. E. ... 632
von Karman, Dr. T. ... 110
Vigers, B. E. A. ... 426

Walker, A. V. ... 314
Walker, J. W. ... 314
Walker, K. E. ... 713
Walker, W. G. A. ... *687
Walkhampton, Lord Merrivale of ... 658
Walter, A. J. R. ... 172
Warder, S. B. ... 22
Waring, H. W. A. ... 172
Warnock, W. R. L. ... 314
†Warren, Sir Henry William Hugh 748
Warrilow, L. S. ... 544
Warter, Sir Phillip ... 569
Waters, G. M. ... 515
Waters, M. ... 173
Watkins, Richard R. ... 198
Watson, D. B. ... *425
Watson, J. A. V. ... 342
Watson, W. L. ... 172
Watts, E. ... 110
Webb, Alex J. ... 599
Webber, W. J. P. ... 314
Webster, N. W. ... 341
Weeden, G. A. ... *747
Weinstock, A. ... 482
Welch, N. ... 171
†Wells, J. H. ... 426
Wentworth, W. H. ... 172
West, J. D. ... 747
Wheeler, C. ... 110
Wheeler, C. R. ... 172
Wheeler, E. H. ... 172
Whelan, D. ... 83
Whipple, G. A. ... 669, 686, 713
Whitaker, E. G. ... 173, 599
Whitby, K. V. ... 313
White, Donald ... 483
White, F. N. ... 658
Whitefoord, Maj.-General P. G. ... 173
Whitley-Jones, E. ... 370
Wikeley, N. D. T. ... 173
Wild, G. D. ... 454, *658
Wildmore, F. ... 172
Wilkins, G. D. ... 482
Wilkinson, F. ... 173
Wilkinson, F. ... 426
Willey, J. M. ... 370
Williams, C. D. B. ... 544
Williams, G. J. B. ... 456
Williams, J. M. ... 172
Williams, Sir Owen ... 632
Williams, O. T. ... 632

Williamson, R. A. 455
Willmott, W. O. J. 83
Wilmot, Harold 2, *21
Wilson, H. F. 426
Wilson, Roy M. *371
Wilson, W. Ker 456
Wimhurst, N. H. 456
Wonderly, D. T. 544
Wood, E. 314
Wood, J. 198
Woodhouse, C. 83
Woodley, D. S. 516
Woodridge, A. W. 82
Woodyer, W. G. 109
Woollett, J. L. 173
Wortley, F. 171
Wright, P. J. 342
Wright, Trevor Arnold *140
Wynne, E. 81
Yontz, Merle R. 632
Young, Arthur James 22
Young, Ernest 483
Young, E. W. 256
Young, F. W. 543
Young, Sir James Reid 482
Zimmerman, Otto H. 687

Printed by ODHAMS PRESS LTD., London, W.C.2